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Bulletin 88

ZOOLOGY 11

CHECK LIST

OF THE

MOLLUSCA OF NEW YORK

BY

ELIZABETH J. LETSON

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PREFACE

The study of the recent Mollusca, *La belle science* as it has been termed, is very attractive to many intelligent persons and the interest in recent shells is widespread throughout the State. Since the publication of the illustrated descriptions of the New York Mollusca by James E. De Kay in 1843, as a part of the Natural History of New York, only occasional efforts have been made by the State Museum to bring present knowledge of these creatures to a fuller expression. It would doubtless be well, after this lapse of more than 60 years, to portray in monographic detail the molluscan fauna of the State in its scientific and economic bearings. Pending the inauguration of such an undertaking, it is believed that the complete list of species of our Mollusca with references to places of description herewith presented, will serve a useful purpose. It comprehends all verified species of our molluscan fauna and it invites suggestions and emendations from students of the subject. This list has been prepared at the suggestion of my predecessor in office, Dr F. J. H. Merrill, by Miss Elizabeth J. Letson, director of the Museum of the Buffalo Society of Natural Sciences, a keen and accomplished student of this branch of science.

JOHN M. CLARKE
Director

New York State Museum

JOHN M. CLARKE Director

Bulletin 88

ZOOLOGY 11

CHECK LIST

OF THE

MOLLUSCA OF NEW YORK

COMMUNICATED BY ELIZABETH J. LETSON

Class **CEPHALOPODA**

Order DIBRANCHIATA

Suborder DECAPODA

Family **LOLIGINIDAE**

Genus **LOLIGO** Lamarck

Loligo peali Lesueur

Loligo punctata DeK. DeKay, Nat. Hist. N. Y. 1843. p.3. (Long Island)

Loligo pealii DeK. DeKay, Nat. Hist. N. Y. 1843. p.4

Loligo punctata DeK. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.404. (Long Island sound)

Loligo pealii Les. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.405. (Long Island sound)

Loligo pallida Verrill

Loligo pallida Ver. Tryon, Man. Conch. 1879. 1:143. (Long Island sound)

Family **OMMATOSTREPHIDAE**

Genus **OMMATOSTREPHES** D'Orbigny

Ommatostrephes saggittatus Lamarck

Loligo illecebrosus Les. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.404. (Long Island sound)

Ommatostrephes saggittatus Lam. Tryon, Man. Conch. 1879. 1:177

Family **SPIRULIDAE**

Genus **SPIRULA** Lamarck

Spirula peroni Lamarck

Spirula peronii Lam. DeKay, Nat. Hist. N. Y. 1843. p.5

Spirula peronii Lam. Tryon, Man. Conch. 1879. 1:205

Class **GASTROPODA**

Order PECTINIBRANCHIATA

Family **MURICIDAE**

Genus **UROSALPINX** Stimpson

Urosalpinx cinerea Say

Fusus cinereus Say. DeKay, Nat. Hist. N. Y. 1843. p.145

Fusus imbricatus DeK. DeKay, Nat. Hist. N. Y. 1843. p.147

Fusus cinereus Say. Jay, Cat. 1852. p.321

Buccinum plicosum Mke. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.397

Urosalpinx cinerea Say. Tryon, Man. Conch. 1880. 2:152

Genus **EUPLEURA** Adams

Eupleura caudata Say

Eupleura caudata Say. Tryon, Man. Conch. 1880. 2:157

Genus **TROPHON** Adams

Trophon clathratus Linnaeus

Fusus bamfius Mont. DeKay, Nat. Hist. N. Y. 1843. p.148

Trophon clathratus Linn. Tryon, Man. Conch. 1880. 2:140

Trophon scalariformis Gould

Fusus scalariformis Gld. DeKay, Nat. Hist. N. Y. 1843. p.143

Subfamily **PURPURINAE**

Genus **PURPURA** Bruguière

Purpura lapillus Linnaeus

Purpura lapillus Linn. DeKay, Nat. Hist. N. Y. 1843. p.135

Purpura imbricata Lam. DeKay, Nat. Hist. N. Y. 1843. p.136

Purpura bizonalis Lam. DeKay, Nat. Hist. N. Y. 1843. p.136

Purpura lapillus Linn. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.397

Purpura lapillus Linn. Tryon, Man. Conch, 1880. 2:171

Family **BUCCINIDAE**

Subfamily **NEPTUNIINAE**

Genus **NEPTUNEA** Bolten

Neptunea despecta Linnaeus

Fusus tornatus Gld. DeKay, Nat. Hist. N. Y. 1843. p.148

Neptunea despecta Linn. Tryon, Man. Conch. 1881. 3:116

Neptunea decemcostata Say

Fusus decemcostatus Say. DeKay, Nat. Hist. N. Y. 1843. p.145

Neptunea decemcostata Say. Tryon, Man. Conch. 1881. 3:118

Genus SIPHO Klein

Sipho islandicus Chemnitz

Fusus islandicus Chem. DeKay, Nat. Hist. N. Y. 1843. p.144

Sipho islandicus Chem. Tryon, Man. Conch. 1881. 3:123

Sipho stimpsoni Mörch

Sipho stimpsoni Mörch. Tyron, Man. Conch. 1881. 3:126

Sipho pygmaeus Gould

Sipho pygmaeus Gld. Tryon, Man. Conch. 1881. 3:129

Sipho ventricosus Gray

Fusus ventricosus Gray. DeKay, Nat. Hist. N. Y. 1843. p.144

Sipho ventricosus Gray. Tryon, Man. Conch. 1881. 3:128

Genus FULGUR Montfort

Fulgur canaliculatum Linnaeus

Pyrula canaliculata Linn. DeKay, Nat. Hist. N. Y. 1843. p.140

Pyrula canaliculata Linn. Jay, Cat. 1852. p.328

Sycotypus canaliculatus Linn. Gill, Am. Jour. Conch. 1867. 3:149

Pyrula canaliculata Linn. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.398

Fulgur canaliculatum Linn. Tryon, Man. Conch. 1881. 3:142

Fulgur carica Linnaeus

Pyrula carica Linn. DeKay, Nat. Hist. N. Y. 1843. p.141

Pyrula carica Linn. Jay, Cat. 1852. p.328

Pyrula aruana Linn. Jay, Cat. 1852. p.328

Fulgur carica Linn. Gill, Am. Jour. Conch. 1867. 3:145

Pyrula carica Linn. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.398

Fulgur carica Linn. Tryon, Man. Conch. 1881. 3:140

Subfamily BUCCININAE

Genus BUCCINUM Linnaeus

Buccinum undatum Linnaeus

Buccinum undatum Linn. DeKay, Nat. Hist. N. Y. 1843. p.130

Buccinum undatum Linn. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.397

Buccinum undatum Linn. Tryon, Man. Conch. 1881. 3:173

Family NASSIDAE

Genus NASSA Lamarck

Nassa trivittata Say

Buccinum trivittatum Say. DeKay, Nat. Hist. N. Y. 1843. p.132

Buccinum trivittatum Say. Jay, Cat. 1852. p.363

Nassa trivittata Say. Jay, Cat. 1852. p.365

Nassa trivittata Say. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.397

Nassa trivittata Say. Tryon, Man. Conch. 1882. 4:42

Nassa vibex Say

Buccinum vibex Say. DeKay, Nat. Hist. N. Y. 1843. p.133

Nassa vibex Say. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.397

Nassa vibex Say. Tryon, Man. Conch. 1882. 4:42

Nassa obsoleta Say

Buccinum obsoletum Say. DeKay, Nat. Hist. N. Y. 1843. p.133

Buccinum obsoletum Say. Jay, Cat. 1852. p.361

Buccinum noveboracensis Gray. Jay, Cat. 1852. p.361

Buccinum olivaeforme Kien. Jay, Cat. 1852. p.361

Nassa obsoleta Say. Jay, Cat. 1852. p.364

Nassa obsoleta Say. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.397

Nassa obsoleta Say. Tryon, Man. Conch. 1882. 4:60

Family COLUMBELLIDAE

Genus COLUMBELLA Lamarck

Columbella avara Say

Colombella avara Say. DeKay, Nat. Hist. N. Y. 1843. p.139

Columbella avara Say. Jay, Cat. 1852. p.347

Columbella avara Say. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.398

Columbella avara Say. Tryon, Man. Conch. 1883. 5:159

Columbella lunata Say

Buccinum lunatum Say. DeKay, Nat. Hist. N. Y. 1843. p.131

Buccinum wheatleyi DeK. DeKay, Nat. Hist. N. Y. 1843. p.132

Buccinum lunatum Say. Jay, Cat. 1852. p.361

Columbella lunata Say. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.398

Columbella gouldiana Agassiz. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.398

Columbella lunata Say. Tryon, Man. Conch. 1883. 5:130

Genus BELA Gray

Bela decussata Couthouy

Pleurotoma decussata Couth. DeKay, Nat. Hist. N. Y. 1843. p.150

Bela decussata Couth. Tryon, Man. Conch. 1884. 6:217

Bela harpularia Couthouy

Fusus harpularius Couth. DeKay, Nat. Hist. N. Y. 1843. p.146

Bela harpularia Couth. Tryon, Man. Conch. 1884. 6:219

Bela bicarinata Couthouy

Pleurotoma bicarinata Couth. DeKay, Nat. Hist. N. Y. 1843. p.149

Pleurotoma bicarinatum Couth. Verrill, U. S. Fish Com. Rep't 1871-72. p.638 (Stonington Ct.).

Bela bicarinata Couth. Tryon, Man. Conch. 1884. 6:214

Bela concinnula Verrill

Bela concinnula Ver. Tryon, Man. Conch. 1884. 6:220

Bela pleurotomaria Couthouy

Fusus rufus Mont. DeKay, Nat. Hist. N. Y. 1843. p.146

Mangelia pyramidalis St. Smith & Prime, An. Lyc. N. Y. IX. 1870. p.398

Bela pleurotomaria Couth. Gould, Invert. Mass. ed. 2. 1870. p.355

Genus CLATHURELLA Recluz

Clathurella plicata Adams

Pleurotoma plicata Ads. DeKay, Nat. Hist. N.Y. 1843. p.150

Pleurotoma plicatum Ads. Smith & Prime, An. Lyc. N. Y. 1870. 9:398

Clathurella plicata Ads. Tryon, Man. Conch. 1884. 6:277

Subgenus DAPHNELLA Hinds

Daphnella morchi Malon

Daphnella morchi Malon. Tryon, Man. Conch. 1884. 6:315

Daphnella agassizi Verrill & Smith

Daphnella agassizii Ver. & Sm. Tryon, Man. Conch. 1884. 6:316

Daphnella cerina Kurtz & Stimpson

Pleurotoma cerinum K. & St. Smith & Prime, An. Lyc. N. Y. 1870. 9:398

Daphnella cerina K. & St. Tryon, Man. Conch. 1884. 6:310

Family NATICIDAE

Genus NATICA Lamarck

Natica pusilla Say

Natica pusilla Say. DeKay, Nat. Hist. N. Y. 1843. p.123

Natica pusilla Say. Jay, Cat. 1852. p.293

Natica pusilla Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:396

Natica pusilla Say. Tryon, Man. Conch. 1886. 8:31

Natica duplicata Say

Natica duplicata Say. DeKay, Nat. Hist. N. Y. 1843. p.121

Natica duplicata Say. Jay, Cat. 1852. p.292

Natica duplicata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:396

Natica duplicata Say. Tryon, Man. Conch. 1886. 8:33

Natica heros Say

Natica heros Say. DeKay, Nat. Hist. N. Y. 1843. p.120

Natica triseriata Say. DeKay, Nat. Hist. N. Y. 1843. p.121

Natica heros Say. Jay, Cat. 1852. p.292

Natica triseriata Say. Jay, Cat. 1852. p.293

Natica triseriata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:395

Natica heros Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:395

Natica triseriata Say. Tryon, Man. Conch. 1886. 8:36

Natica heros Say. Tryon, Man. Conch. 1886. 8:35

Natica immaculata Totten

Natica immaculata Tott. DeKay, Nat. Hist. N. Y. 1843. p.122

Natica immaculata Tott. Smith & Prime, An. Lyc. N. Y. 1870. 9:396

Natica immaculata Tott. Tryon, Man. Conch. 1886. 8:38

Natica clausa Sowerby

Natica clausa Sby. DeKay, Nat. Hist. N Y. 1843. p.122
Natica clausa Sby. Jay, Cat. 1852. p.291
Natica clausa Sby. Tyron, Man. Conch. 1886. 8:30

Natica flava Gould

Natica flava Gld. DeKay, Nat. Hist. N. Y. 1843. p.123
Natica flava Gld. Tryon, Man. Conch. 1886. 8:52

Genus SIGARETUS Lamarck

Sigaretus perspectivus Say

Sigaretus perspectivus Say. DeKay, Nat. Hist. N. Y. 1843. p.153
Sigaretus perspectivus Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:396
Sigaretus perspectivus Say. Tryon, Man. Conch. 1886. 8:57

Genus VELUTINA Fleming

Velutina laevigata Pennant

Velutina laevigata Penn. DeKay, Nat. Hist. N. Y. 1843. p.154
Velutina laevigata Penn. Tryon, Man. Conch. 1886. 8:65

Velutina zonata Gould

Velutina zonata Gld. DeKay, Nat. Hist. N. Y. 1843. p.154
Velutina zonata Gld. Tryon, Man. Conch. 1886. 8:66

Family LAMELLARIIDAE

Genus LAMELLARIA Montagu

Lamellaria pellucida Verrill

Lamellaria pellucida Ver. Tryon, Man. Conch. 1886. 8:61

Lamellaria glabra Couthouy

Lamellaria glabra Couth. Tryon, Man. Conch. 1886. 8:64

Family CALYPTRAEIDAE

Genus CRUCIBULUM Schumacher

Crucibulum striatum Say

Calyptrea striata Say. DeKay, Nat. Hist. N. Y. 1843. p.155
Calyptrea striata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:392
Crucibulum striatum Say. Tryon, Man. Conch. 1886. 8:118

Genus CREPIDULA Lamarck

Crepidula fornicata Lamarck

Crepidula fornicata Lam. DeKay, Nat. Hist. N. Y. 1843. p.157

Crepidula fornicata Lam. Jay, Cat. 1852. p.107
Crepidula fornicata Lam. Smith & Prime, An. Lyc. N. Y. 1870. 9.392
Crepidula fornicata Lam. Tryon, Man. Conch. 1886. 8:124

Crepidula convexa Say

Crepidula convexa Say. DeKay, Nat. Hist. N. Y. 1843. p.158
Crepidula convexa Say. Jay, Cat. 1852. p.107
Crepidula convexa Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:392
Crepidula convexa Say. Tryon, Man. Conch. 1886. 8:125

Crepidula plana Say

Crepidula plana Say. DeKay, Nat. Hist. N. Y. 1843. p.158
Crepidula plana Say. Jay, Cat. 1852. p.107
Crepidula unguiformis Lam. Smith & Prime, An. Lyc. N. Y. 1870. 9:392
Crepidula unguiformis Lam. Tryon, Man. Conch. 1886. 8:130

Crepidula glauca Say

Crepidula glauca Say. DeKay, Nat. Hist. N. Y. 1843. p.159
Crepidula glauca Say. Tryon, Man. Conch. 1886. 8:125

Family SOLARIIDAE

Genus TORINIA Gray

Torinia borealis Verrill & Smith

Torinia borealis Ver. & Sm. Tryon, Man. Conch. 1887. 9:22

Genus SCALA Humphrey

Scala angulata Say

Scalaria angulata Say. Tryon, Man. Conch. 1887. 9:70

Scala multistriata Say

Scalaria multistriata Say. DeKay, Nat. Hist. N. Y. 1843. p.126
Scalaria multistriata Say. Tryon, Man. Conch. 1887. 9:72

Scala humphreysii Kien

Scalaria humphreysii Kien. Smith & Prime, An. Lyc. N. Y. 1870. 9:395

Scala lineata Say

Scalaria lineata Say. DeKay, Nat. Hist. N. Y. 1843. p.126
Scalaria lineata Say. Jay, Cat. 1852. p.300

Scalaria lineata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:394

Scalaria lineata Say. Tryon, Man. Conch. 1887. 9:79

Family IANTHINIDAE

Genus IANTHINA Lamarck

Ianthina fragilis Bruguière

Janthina fragilis Brug. DeKay, Nat. Hist. N. Y. 1843. p.125

Ianthina fragilis Brug Tryon, Man. Conch. 1887. 9:36

Family TURRITELLIDAE

Genus TURRITELLA Lamarck

Turritella erosa Couthouy

Turritella erosa Couth. DeKay, Nat. Hist. N. Y. 1843. p.113

Turritella erosa Couth. Tryon, Man. Conch. 1886. 8:208

Family VERMETIDAE

Genus VERMETUS Adanson

Vermetus spiratus radicula Stimpson

Vermetus radicula St. Smith & Prime, An. Lyc. N. Y. 1870. 9:394

Vermetus spiratus v. radicula St. Tryon, Man. Conch. 1886. 8:187

Family CAECIDAE

Genus CAECUM Fleming

Caecum cooperi Smith

Caecum cooperii Sm. Smith & Prime, An. Lyc. N. Y. 1870. 9:393

Caecum cooperi Sm. Verrill, Ct. Acad. Arts & Sci. 1882. 5:525

Caecum cooperii Sm. Tryon, Man. Conch. 1886. 8:221

Caecum pulchellum Stimpson

Caecum pulchellum St. Smith & Prime, An. Lyc. N. Y. 1870. 9:393

Caecum pulchellum St. Tryon, Man. Conch. 1886. 8:217

Family EULIMIDAE

Genus EULIMA Risso

Eulima intermedia Cantraine

Eulima intermedia Cant. Tryon, Man. Conch. 1886. 8:274

Eulima oleacea Kurtz & Stimpson

Eulima oleacea K. & St. Smith & Prime, An. Lyc. N. Y. 1870. 9:395

Eulima oleacea K. & St. Tryon, Man. Conch. 1886. 8:273

Genus STYLIFER Broderip

Stylifer stimpsoni Verrill

Stylifer stimpsonii Ver. Tryon, Man. Conch. 1886. 8:298

Family TURBONILLIDAE

Genus TURBONILLA Risso

Turbonilla interrupta Totten

Turritella interrupta Tott. DeKay, Nat. Hist. N. Y. 1843. p.112

Chemnitzia interrupta Tott. Smith & Prime, An. Lyc. N. Y. 1870. 9:395

Turbonilla interrupta Tott. Tryon, Man. Conch. 1886. 8:329

Turbonilla elegans Verrill

Turbonilla elegans Ver. Verrill, U. S. Fish Com. Rep't 1871-72. p.657. (Long Island sound near New Haven)

Turbonilla elegans Ver. Verrill, Ct. Acad. Arts & Sci. 1882. 5:538

Turbonilla elegans Ver. Tryon, Man. Conch. 1886. 8:328

Turbonilla stricta Verrill

Turbonilla stricta Ver. Verrill, U. S. Fish Com. Rep't 1871-72. p.659. (Long Island sound near New Haven)

Turbonilla stricta Ver. Verrill, Ct. Acad. Arts & Sci. 1882. 5:537

Turbonilla stricta Ver. Tryon, Man. Conch. 1886. 8:329

Turbonilla costulata Verrill

Turbonilla costulata Ver. Verrill, U. S. Fish Com. Rep't 1871-72. p.658. (Long Island sound near New Haven)

Turbonilla costulata Ver. Verrill, Ct. Acad. Arts & Sci. 1882. 5:537

Turbonilla costulata Ver. Tryon, Man. Conch. 1886. 8:329

Turbonilla areolata Verrill

Turbonilla areolata Ver. Verrill, U. S. Fish Com. Rep't 1871-72. p.658. (Long Island sound at New Haven)

Turbonilla areolata Ver. Verrill, Ct. Acad. Arts & Sci. 1882. 5:537

Turbonilla areolata Ver. Tryon, Man. Conch. 1886. 8:328

Turbonilla grandis Verrill

Turbonilla grandis Ver. Tryon, Man. Conch. 1886. 8:329

Genus ACLIS Lovèn

Aclis striata Verrill

Aclis striata Ver. Tryon, Man. Conch. 1887. 9:87

Genus ODOSTOMIA Fleming

Odostomia trifida Totten

Odostomia trifida Tott. DeKay, Nat. Hist. N.Y. 1843. p.114
Chemnitzia trifida Tott. Smith & Prime, An. Lyc. N. Y. 1870. 9:395
Odostomia trifida Tott. Tryon, Man. Conch. 1886. 8:356

Odostomia bisuturalis Say

Chemnitzia bisuturalis Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:395
Odostomia bisuturalis Say. Tryon, Man. Conch. 1886. 8:357

Odostomia impressa Say

Odostomia insculpta DeKay. DeKay, Nat. Hist. N. Y. 1843. p.115
Odostomia insculpta DeKay. Jay, Cat. 1852. p.475.
Chemnitzia impressa Kurtz. Smith & Prime, An. Lyc. N. Y. 1870. 9:395
Odostomia impressa Say. Tryon, Man. Conch. 1886. 8:356

Odostomia seminuda Adams

Odostomia seminuda Ads. DeKay, Nat. Hist. N. Y. 1843. p.115
Chemnitzia seminuda Ads. Smith & Prime, An. Lyc. N. Y. 1870. 9:395
Odostomia seminuda Ads. Tryon, Man. Conch. 1886. 8:357

Odostomia fusca Adams

Odostomia fusca Ads. DeKay, Nat. Hist. N. Y. 1843. p.116
Chemnitzia fusca Ads Smith & Prime, An. Lyc. N. Y. 1870. 9:395
Odostomia fusca Ads. Tryon, Man. Conch. 1886. 8:356

Family LITTORINIDAE

Genus LITTORINA Ferussac

Littorina irrorata Say

Littorina irrorata Say. DeKay, Nat. Hist. N. Y. 1843. p.106
Littorina irrorata Say. Jay, Cat. 1852. p.310
Littorina irrorata Gray. Smith & Prime, An. Lyc. N. Y. 1870. 9:393
Littorina irrorata Say. Tryon, Man. Conch. 1887. 9:246

Littorina rudis Donovan

Littorina rudis Donov. DeKay, Nat. Hist. N. Y. 1843. p.104
Littorina rudis Donov. Smith & Prime, An. Lyc. N. Y. 1870. 9:392
Littorina rudis Donov. Tryon, Man. Conch. 1887. 9:241

Littorina rudis obligata Say

Littorina rudis v. obligata Say. Tryon, Man. Conch. 1887. 9:241

Littorina rudis tenebrosa Montagu

Littorina tenebrosa Mont. DeKay, Nat. Hist. N. Y. 1843. p.105
Littorina tenebrosa Mont. Jay, Cat. 1852. p.311
Littorina rudis v. tenebrosa Mont. Tryon, Man. Conch. 1887. 9:242

Littorina littorea Linnaeus

Littorina littorea Linn. Tryon, Man. Conch. 1887. 9:240

Littorina palliata Say

Littorina palliata Say. DeKay, Nat. Hist. N. Y. 1843. p.106
Littorina palliata Say. Jay, Cat. 1852. p.131
Littorina littoralis Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:393
Littorina littoralis Linn. Tryon, Man. Conch. 1887. 9:242

Genus LACUNA Turton

Lacuna divaricata Fabricius

Lacuna vincta Mont. DeKay, Nat. Hist. N. Y. 1843. p.111
Lacuna pertusa Conr. Jay, Cat. 1852. p.312
Lacuna vincta Turt. Smith & Prime, An. Lyc. N. Y. 1870. 9:393
Lacuna divaricata Fab. Tryon, Man. Conch. 1887. 9:266

Family CERITHIIDAE

Genus BITTIUM Leach

Bittium nigrum Totten

Cerithium sayi Gld. DeKay, Nat. Hist. N. Y. 1843. p.128
Cerithium sayi Mke. Smith & Prime, An. Lyc. N. Y. 1870. 9:394
Bittium nigrum Tott. Tryon, Man. Conch. 1887. 9:152

Genus CERITHIOPSIS Forbes & Hanley

Cerithiopsis greeni C. B. Adams

Cerithium greenii Ads. Smith & Prime, An. Lyc. N. Y. 1870. 9:394
Cerithiopsis greenii Ads. Tryon, Man. Conch. 1887. 9:170

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Cerithiopsis emersoni Stimpson

Cerithiopsis emersonii St. Smith & Prime, An. Lyc. N. Y. 1870. 9:397

Cerithiopsis punctatum Linn. Tryon, Man. Conch. 1887. 9:170

Cerithiopsis terebrale C. B. Adams

Cerithiopsis terebellum St. Smith & Prime, An. Lyc. N. Y. 1870. 9:397

Cerithiopsis terebrale Ads. Tryon, Man. Conch. 1887. 9:174

Genus TRIFORIS Deshayes

Triforis nigrocinctus C. B. Adams

Cerithium nigrocinctum Ads. Smith & Prime, An. Lyc. N. Y. 1870. 9:394

Triforis nigrocinctus Ads. Tryon, Man. Conch. 1887. 9:188

Family STREPOMATIDAE

Genus PLEUROCERA Rafinesque

Pleurocera subulare Lea

Melania subularis Lea. Lea, Obs. Genus Unio. 1834. 1:110. (Niagara river)

Melania subularis Lea. DeKay, Nat. Hist. N. Y. 1843. p.92. (Lake Erie)

Melania subularis Lea. Jay, Cat. 1852. p.275. (Niagara river)

Pleurocera subulare Lea. Tryon, Am. Jour. Conch. 1865. 1:307. (Erie canal, St Lawrence, Niagara river)

Melania subularis Lea. Aldrich, Troy List. 1867. p.4. (Mohawk river)

Trypanostoma subulare Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.139

Pleurocera subulare Lea. Tryon, Smith. Misc. Coll. 253. 1880 16:88. (Niagara river)

Pleurocera subulare Lea. Beauchamp, Onondaga List. 1886. p.6

Pleurocera subulare Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:4. (Lake Erie)

Pleurocera subulare Lea. Letson, N. Y. State Mus. Bul. 45. 1901. p.239. (Goat island. Post-Pliocene)

Pleurocera subulare intensum Anthony

Pleurocera intensum Anth. Beauchamp, Onondaga List. 1886. p.6

Pleurocera pallidum Lea

Trypanostoma pallidum Lea. Lea, Obs. Genus Unio. 1862. 9:97. (Niagara falls)

Pleurocera pallidum Lea. Tryon, Am. Jour. Conch. 1865. 1:311. (Niagara falls)

Trypanostoma pallidum Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.139. (Niagara river)

Pleurocera pallidum Lea. Tryon, Smith. Misc. Coll. 253. 1880. 16:112. (Niagara river)

Pleurocera pallidum Lea. Beauchamp, Onondaga List. 1886. p.6

Pleurocera elevatum Say

Melania elevata Say. Aldrich, Troy List. 1867. p.4

Pleurocera elevatum Say. Tryon, Smith. Inst. Coll. 253. 1880. 16:95

Genus GONIOBASIS Lea

Goniobasis depygis Say

Melania depygis Say. DeKay, Nat. Hist. N. Y. 1843. p.89. (Lake Champlain, Hudson river)

Melania depygis Say. Stimpson, List. 1851. p.32. (Lake Champlain)

Goniobasis depygis Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.139. (Lake Champlain)

Goniobasis depygis Say. Beauchamp, Onondaga List. 1886. p.6

Goniobasis depygis Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:4. (Irondequoit bay)

Goniobasis livescens Menke

Melania livescens Mke. Jay, Cat. 1852. p.274. (Lake Erie)

Goniobasis livescens Mke. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.139. (Niagara river)

Goniobasis livescens Mke. Tryon, Smith. Misc. Coll. 253. 1880. 16:248. (Lake Erie)

Goniobasis livescens Mke. Beauchamp, Onondaga List. 1886. p.6

Goniobasis livescens Mke. Walton, Rochester Acad. Sci. Proc. 1892. 2:4. (Erie canal)

Goniobasis livescens Mke. Letson, N. Y. State Mus. Bul. 45. 1901. p.239. (Goat island. Post-Pliocene)

Goniobasis niagarensis Lea

Melania niagarensis Lea. Lea, Obs. Genus Unio. 1842. 3:11. (Niagara falls)

Melania niagarensis Lea. DeKay, Nat. Hist. N. Y. 1843. p.90

Melania niagarensis Lea. Jay, Cat. 1852. p.274. (Niagara falls)

Goniobasis niagarensis Lea. Tryon, Smith. Misc. Coll. 253. 1880. 16:248

Goniobasis niagarensis Lea. Letson, N. Y. State Mus. Bul. 45. 1901. p.240. (Goat island. Post-Pliocene)

Goniobasis haldemani Tryon

Goniobasis haldemani Try. Tryon, Am. Jour. Conch. 1865. 1:38. (Lakes Erie and Champlain)

Goniobasis haldemani Try. Tryon, Am. Jour. Conch. 1866. 2:38. (Lakes Erie and Champlain)

Goniobasis haldemani Try. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.139. (St Lawrence river)

Goniobasis haldemani Try. Tryon, Smith. Misc. Coll. 253. 1880. 16:282. (Lakes Erie and Champlain)

Goniobasis haldemani Try. Beauchamp, Onondaga List. 1886. p.6. (Erie canal)

Goniobasis haldemani Try. Letson, N. Y. State Mus. Bul. 45. 1901. p.240. (Goat island. Post-Pliocene)

Goniobasis virginica Gmelin

Melania virginica Gmel. DeKay, Nat. Hist. N. Y. 1843. p.90. (Raritan river)

Melania bizonalis DeK. DeKay, Nat. Hist. N. Y. 1843. p.91. (Lake Champlain)

Melania gemma DeK. DeKay, Nat. Hist. N. Y. 1843. p.91. (Onondaga county)

Melania virginica Gmel. Say, Conch. U. S. ed. by Binney. 1858. p.131. (Niagara falls)

Melania virginica Gmel. Aldrich, Troy List. 1867. p.4. (Mohawk river)

Goniobasis virginica Gmel. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p 139

Goniobasis gemma DeK. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.139. (Onondaga county)

Goniobasis virginica Gmel. Tryon, Smith. Misc. Coll. 253. 1880. 16:290

Melania bizonalis DeK. Tryon, Smith. Misc. Coll. 253. 1880. 16:293. (Lake Champlain)

Melania gemma DeK. Tryon, Smith. Misc. Coll. 253. 1880. 16:293. (Onondaga county)

Goniobasis virginica Gmel. Beauchamp, Onondaga List. 1886. p.6

Goniobasis gemma DeK. Beauchamp, Onondaga List. 1886. p.6

Goniobasis virginica Gmel. Walton, Rochester Acad. Sci. Proc. 1892. 2:4. (Erie canal)

Goniobasis multilineata Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:4. (Erie canal)

Genus ANCYLOSA Say

Ancylosa carinata Bruguière

Anculotus carinatus DeK. DeKay, Nat. Hist. N. Y. 1843. p.101. (Lake Champlain)

Anculotus trivittatus DeK. DeKay, Nat. Hist. N. Y. 1843. p.102. (Lake Champlain)

Anculotus carinatus DeK. Jay, Cat. 1852. p.276. (Lake Champlain)

Anculosa dissimilis Say. Say, Am. Jour. Conch. 1866. 2:126

Anculosa carinata Brug. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.139. (Cortland county)

Anculosa carinata Brug. Tryon, Smith. Misc. Coll. 253. 1880. 16:390. (Lake Champlain)

Family RISSOIDAE

Subfamily BYTHININAE

Genus BYTHINIA Gray

Bythinia tentaculata Linnaeus

Bythinia tentaculata Linn. Beauchamp, Onondaga List. 1886. p.5. (Syracuse)

Bythinia tentaculata Linn. Walton, Rochester Acad. Sci. Proc. 2. 1892. p.4. (Erie canal)

Subfamily SCENEINAE

Genus SCENEA Fleming

Scenea planorbis Fabricius

Skenea serpuloides Ads. DeKay, Nat. Hist. N. Y. 1843. p.117

Skenea planorbis Fabr. Tryon, Man. Conch. 1887. 9:398

Subfamily RISSOINAE

Genus RISSOA Fremenville

Rissoa minuta Totten

Cingula minuta Tott. DeKay, Nat. Hist. N. Y. 1843. p.110

Rissoa minuta Tott. Tryon, Man. Conch. 1887. 9:346

Rissoa aculeus Gould

Cingula aculeus Gld. DeKay, Nat. Hist. N. Y. 1843. p.110

Rissoa aculeus St. Smith & Prime, An. Lyc. N. Y. 1870. 9:393

Rissoa aculeus Gld. Tryon, Man. Conch. 1887. 9:347

Rissoa stimpsoni Smith

Rissoa stimpsoni Smith. Smith & Prime, An. Lyc. N. Y. 1870. 9:393

Rissoa stimpsoni Smith. Tryon, Man. Conch. 1887. 9:345

Rissoa laevis DeKay

Cingula laevis DeK. DeKay, Nat. Hist. N. Y. 1843. p.111

Rissoa laevis DeK. Smith & Prime, An. Lyc. N. Y. 1870. 9:393

Hydrobia laevis DeK. Verrill, Ct. Acad. Arts & Sci. 1882. 5:523

Rissoa laevis DeK. Tryon, Man. Conch. 1887. 9:346

Rissoa latior Mighels & Adams

Rissoa latior Migh. & Ads. Tryon, Man. Conch. 1887. 9:357

Rissoa areolata Stimpson

Rissoa areolata St. Tryon, Man. Conch. 1887. 9:361

Subfamily HYDROBIINAE

Genus BYTHINELLA Moquin-Tandon

Bythinella attenuata Haldeman

Bythinella attenuata Hald. Binney, Smith. Misc. Coll. 144. 1865. p.68. (New York)

Bythinella obtusa Lea

Bythinella obtusa Lea. Binney, Smith. Misc. Coll. 144. 1865. 7:70

Bythinella obtusa Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.138

Bythinella obtusa Lea. Beauchamp, Onondaga List. 1886. p.5

Bythinella obtusa Lea. Letson, N. Y. State Mus. Bul. 45. 1901. p.242. (Goat island. Post-Pliocene)

Genus AMNICOLA Gould & Haldeman

Amnicola sayana Anthony

Amnicola sayana Anth. Binney, Smith. Misc. Coll. 144. 1865. 7:81

Amnicola sayana Anth. Beauchamp, Onondaga List. 1886. p.5. (Erie canal)

Amnicola pallida Haldeman

Amnicola pallida Hald. Binney, Smith. Misc. Coll. 144. 1865. 7:83. (Lake Champlain)

Amnicola pallida Hald. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.138. (Lake Champlain)

Amnicola pallida Hald. Beauchamp, Onondaga List. 1886. p.5

Amnicola pallida Hald. Walton, Rochester Acad. Sci. Proc. 1892. 2:4

Amnicola limosa Say

Amnicola porata Say. DeKay, Nat. Hist. N. Y. 1843. p.88. (Cayuga lake)

Paludina porata Say. Say, Conch. U. S. ed. by Binney. 1858. p.69. (Cayuga lake)

Amnicola limosa Say. Binney, Smith. Misc. Coll. 144. 1865. 7:84

Amnicola limosa Say. Aldrich, Troy List. 1867. p.4. (Hudson river)

Amnicola porata Gld. Smith & Prime, An. Lyc. N. Y. 1870. 9:392. (Long Island)

Amnicola porata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.138. (Cayuga lake)

Amnicola limosa Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.138. (Cayuga lake)

Amnicola porata Say. Beauchamp, Onondaga List. 1886. p.5

Amnicola limosa Say. Beauchamp, Onondaga List. 1886. p.5

Amnicola porata Say. Walton, Rochester Acad. Sci. Proc. 2. 1892. p.4. (Erie canal)

Amnicola limosa Say. Walton, Rochester Acad. Sci. Proc. 2. 1892. p.4. (Genesee river)

Amnicola limosa Say. Letson, N. Y. State Mus. Bul. 45 1901. p.241. (Goat island. Post-Pliocene)

Amnicola cincinnatiensis Anthony

Amnicola cincinnatiensis Anth. Binney, Smith. Misc. Coll. 144. 1865. 7:85

Amnicola cincinnatiensis Anth. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.138

Amnicola cincinnatiensis Anth. Beauchamp, Onondaga List. 1886. p.5. (Erie canal)

Amnicola orbiculata Lea

Amnicola orbiculata Lea. Binney, Smith. Misc. Coll. 144. 1865. 7:87. (Cayuga lake)

Amnicola orbiculata Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.138. (Cayuga lake)

Amnicola orbiculata Lea. Beauchamp, Onondaga List. 1886. p.5

Amnicola orbiculata Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:4

Amnicola lustrica Say

Amnicola lustrica Say. DeKay, Nat. Hist. N. Y. 1843. p.87. (Lakes Champlain and Cayuga)

Paludina lustrica Say. Say, Conch. U. S. ed. by Binney. 1858. p.69. (Cayuga lake)

Pomatiopsis lustrica Say. Binney, Smith. Misc. Coll. 144. 1865. 7:94. (Cayuga lake and Mohawk river)

Amnicola lustrica Say. Aldrich, Troy List. 1867. p.5. (Hudson river)

Amnicola lustrica Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.138. (Cayuga lake)

Amnicola lustrica Say. Beauchamp, Onondaga List. 1886. p.5

Pomatiopsis lustrica Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:4

Amnicola letsoni Walker

Amnicola letsoni Walk. Walker, Naut. 1901. 14:113. (Goat island. Post-Pliocene)

Amnicola letsoni Walk. Letson, N. Y. State Mus. Bul. 45. 1901. p.241. (Goat island. Post-Pliocene)

Genus LYOGYRUS Gill

Lyogyrus granum Say

Amnicola granua Say. Beauchamp, Onondaga List. 1886. p.5. (Seneca river)

Amnicola granum Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:4

Subfamily LITHOGLYPHINAE

Genus GILLIA Stimpson

Gillia altilis Lea

Gillia altilis Lea. Binney, Smith. Misc. Coll. 144. 1865. 7:74

Gillia altilis Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.138

Gillia altilis Lea. Beauchamp, Onondaga List. 1886. p.5

Gillia altilis Lea. Walton, Rochester Acad. Sci. Proc. 1892 2:4. (Erie canal)

Genus SOMATOGYRUS Gill

Somatogyrus isogonus Say

Paludina isogona Say. DeKay, Nat. Hist. N. Y. 1843. p.85. (Western New York)

Somatogyrus subglobosus Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.138

Somatogyrus isogonus Say. Beauchamp. Onondaga List. 1886. p.5

Somatogyrus integer Say

Somatogyrus integer Say. Aldrich, Troy List. 1867. p.4. (Mohawk river)

Subfamily POMATIOPSINAE

Genus POMATIOPSIS Tryon

Pomatiopsis lapidaria Say

Pomatiopsis lapidaria Say. Binney, Smith. Misc. Coll. 144. 1865. 7:93

Pomatiopsis lapidaria Say. Letson, N. Y. State Mus. Bul. 45. 1901. p.242. (Foster's flats. Post-Pliocene)

Family VALVATIDAE

Genus VALVATA Müller

Valvata tricarinata Say

Valvata tricarinata Say. DeKay, Nat. Hist. N. Y. 1843. p.118

Valvata unicarinata DeK. DeKay, Nat. Hist. N. Y. 1843. p.118. (Lake Champlain)

Valvata unicarinata DeK. Jay, Cat. 1852. p.278

Valvata carinata Say. Jay, Cat. 1852. p.277

Valvata tricarinata Say. Jay, Cat. 1852. p.278

Valvata tricarinata Say. Binney, Smith. Misc. Coll. 144. 1865. p.9. (Herkimer county)

Valvata tricarinata Say. Aldrich, Troy List. 1867. p.3

Valvata tricarinata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.137. (Little Lakes)

Valvata tricarinata Say. Beauchamp, Onondaga List. 1886. p.5. (Onondaga lake)

Valvata tricarinata Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:4. (Charlotte)

Valvata tricarinata Say. Letson, N. Y. State Mus. Bul. 45. 1901. p.243. (Goat island. Post-Pliocene)

Valvata sincera Say

Valvata sincera Say. DeKay, Nat. Hist. N. Y. 1843. p.119. (Lakes Oneida, Champlain and Chautauqua)

Valvata sincera Say. Jay, Cat. 1852. p.278

Valvata sincera Say. Binney, Smith. Misc. Coll. 144. 1865. 7:12

Valvata sincera Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.137

Valvata sincera Say. Beauchamp, Onondaga List. 1886. p.5. (Seneca river)

Valvata sincera Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:4. (Erie canal)

Valvata sincera Say. Letson, N. Y. State Mus. Bul. 45. 1901. p.243. (Goat island. Post-Pliocene)

Family PALUDINIDAE

Genus VIVIPARA Montfort

Vivipara contectoides Binney

Vivipara contectoides Binn. Binney, Smith. Misc. Coll. 144. 1865. 7:23

Vivipara contectoides Binn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.137

Genus CAMPELOMA Rafinesque

Campeloma ponderosum Say

Melantho ponderosa Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:4. (Erie canal)

Campeloma decisum Say

Paludina disscisa Say. DeKay, Nat. Hist. N. Y. 1843. p.84

Paludina integra Say. DeKay, Nat. Hist. N. Y. 1843. p.84. (Hudson river)

Paludina decisa Say. Jay, Cat. 1852. p.279

Melantho decisa Say. Binney, Smith. Misc. Coll. 144. 1865. 7:41. (Erie canal, Mohawk, Greenwich, Buffalo, Lakes Schuyler, Owasco and Cayuga)

Paludina decisa Say. Aldrich, Troy List. 1867. p.3. (Mohawk basin)

Paludina integra Say. Aldrich, Troy List. 1867. p.3

Paludina rufa Hald. Aldrich, Troy List. 1867. p.3. (Mohawk basin)

Paludina decisa Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:392. (Jamaica L. I.)

Melantho decisus Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.137

Melantho integer Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.137

Melantho rufus Hald. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.137. (Buffalo)

Melantho decisus Say. Beauchamp, Onondaga List. 1886. p.5

Melantho rufus Hald. Beauchamp, Onondaga List. 1886. p.5. (Baldwinsville)

Melantho decisa Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:5. (Erie canal)

Melantho rufa Hald. Walton, Rochester Acad. Sci. Proc. 1892. 2:5. (Erie canal)

Melantho decisa var. obesa Lewis. Walton, Rochester Acad. Sci. Proc. 1892. 2:5. (Erie canal)

Melantho decisa var. genicula Conr. Walton, Rochester Acad. Sci. Proc. 1892. 2:5. (Erie canal)

Melantho decisa var. integra Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:5. (Erie canal)

Melantho decisa var. heterostropha Kirt. Walton, Rochester Acad. Sci. Proc. 1892. 2:5. (Erie canal)

Campeloma decisa Say. Letson, N. Y. State Mus. Bul. 45. 1901. p.243. (Goat island. Post-Pliocene)

Genus LIOPLAX Troschel

Lioplax subcarinata Say

Lioplax subcarinatus Say. Beauchamp, Onondaga List. 1886. p.5. (Erie canal)

Order SCUTIBRANCHIATA

Suborder PODOPTHALMA

Family TROCHIDAE

Genus MARGARITA Leach

Margarita ornata DeKay

Margarita ornata DeK. DeKay, Nat. Hist. N. Y. 1843. p.107

Margarita multilineata DeKay

Margarita multilineata DeK. DeKay, Nat. Hist. N. Y. 1843. p.109

Subgenus SOLARIELLA Adams

Solariella obscura planula Verrill

Solariella obscura planula Ver. Tryon, Man. Conch. 1889. 9:309

Suborder EDRIOPTHALMA

Family FISSURELLIDAE

Genus PUNCTURELLA Lowe

Puncturella noachina Linnaeus

Cemoria noachina Linn. DeKay, Nat. Hist. N. Y. 1843. p.156

Puncturella noachina Linn. Tryon, Man. Conch. 1890. 12:222

Subfamily ACMAEINAE

Genus ACMAEA Escholtz

Acmaea testudinalis Müller

Patelloida testudinalis Müll. DeKay, Nat. Hist. N. Y. 1843. p.162

Tectura testudinalis Gray. Smith & Prime, An. Lyc. N. Y. 1870. 9:392

Acmaea testudinalis Müll. Tryon, Man. Conch. 1891. 13:10

Acmaea testudinalis alveus Conrad

Patelloida alveus Conr. DeKay, Nat. Hist. N. Y. 1843. p.162

Lottia alveus Conr. Jay, Cat. 1852. p.103

Tectura alveus Conr. Smith & Prime, An. Lyc. N. Y. 1870. 9:392

Acmaea testudinalis var. alveus Conr. Tryon, Man. Conch. 1891. 13:10

Subclass **OPISTHOBRANCHIATA**

Order TECTIBRANCHIATA

Family PHILINIDAE

Genus PHILINE Ascanias

Philine quadratas Wood

Philine quadrata Wood. Tryon, Man. Conch. 1895. 16:19

Genus SCAPHANDER Montfort

Scaphander punctostriatus Mighels

Scaphander punctostriatus Migh. Tryon, Man. Conch. 1893. 15:246

Family TORNATELLIDAE

Subfamily TORNATELLINAE

Genus TORNATINA A. Adams

Tornatina canaliculata Say

Bulla canaliculata Say. DeKay, Nat. Hist. N. Y. 1843. p.19

Bulla obstricta Gld. DeKay, Nat. Hist. N. Y. 1843. p.15

Bulla canaliculata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:399

Tornatina canaliculata Say. Tryon, Man. Conch. 1893. 15:184

Genus ACTAEON Montfort

Actaeon punctostriata Adams

Tornatella punctostriata Ads. DeKay, Nat. Hist. N. Y. 1843. p.127

Tornatella puncto-striata Ads. Jay, Cat. 1852. p.296

Actaeon punctostriata Ads. Smith & Prime, An. Lyc. N. Y. 1870. 9:399

Actaeon punctostriata Ads. Tryon, Man. Conch. 1893. 15:157

Family CYLICHNIDAE

Genus CYLICHNA Lovèn

Cylichna oryza Totten

Bulla oryza Tott. DeKay, Nat. Hist. N. Y. 1843. p.18

Bulla oryza Tott. Smith & Prime, An. Lyc. N. Y. 1870. 9:399

Cylichna oryza Tott. Tryon, Man. Conch. 1893. 15:325

Cylichna alba Brown

Bulla triticea Couth. DeKay, Nat. Hist. N. Y. 1843. p.17

Cylichna alba Brn. Tryon, Man. Conch. 1893. 15:290

Genus RETUSA Brown

Retusa gouldi Couthouy

Bulla gouldii Couth. DeKay, Nat. Hist. N. Y. 1843. p.15

Retusa gouldii Couth. Tryon, Man. Conch. 1893. 15:217

Genus DIAPHANA Brown

Diaphana debilis Gould

Bulla debilis Gld. DeKay, Nat. Hist. N. Y. 1843. p.17

Diaphana debilis Gld. Tryon, Man. Conch. 1893. 15:281

Family BULLIDAE

Genus HAMINEA Leach

Haminea solitaria Say

Bulla insculpta Tott. DeKay, Nat. Hist. N. Y. 1843. p.14

Bulla insculpta Tott. Jay, Cat. 1852. p.113

Bulla insculpta Tott. Jay, Cat. 1852. p.470
Bulla solitaria Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:399
Haminea solitaria Say. Tryon, Man. Conch. 1893. 15:357

Order NUDIBRANCHIATA

Family AEOLIDAE

Subfamily AEOLINAE

Genus AEOLIS Cuvier

Aeolis salmonacea Couthouy

Cavolina salmonacea Couth. DeKay, Nat. Hist. N. Y. 1843. p.11
Aeolis salmonacea Couth. Gould, Invert. Mass. 1870. p.240

Class **PULMONATA**

Order STYLOMMATOPHORA

Suborder MONOTREMATA

Family VITRINIDAE

Genus VITRINA Draparnaud

Vitrina limpida Gould

Vitrina limpida Gld. Tryon, Am. Jour. Conch. 1866. 2:243
Vitrina limpida Gld. Aldrich, Troy List. 1867. p.6. (Lansingburg)
Vitrina limpida Gld. Binney, Smith. Misc. Coll. 194. 1869. 8:26. (Mohawk river)
Vitrina limpida Gld. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.130
Vitrina limpida Gld. Walton, Rochester Acad. Sci. Proc. 1892. 2:5. (Pittsford)
Vitrina limpida Gld. Pilsbry, List Naut. 1898. p.25

Family ZONITIDAE

Genus OMPHALINA Rafinesque

Omphalina fuliginosa Griffith

Helix fuliginosa Griff. DeKay, Nat. Hist. N. Y. 1843. p.37. (Troy)
Hyalina fuliginosa Griff. Tryon, Am. Jour. Conch. 1866. 2:248
Helix fuliginosa Griff. Aldrich, Troy List. 1867. p.5. (Albany)
Zonites fuliginosa Griff. Binney, Smith. Misc. Coll. 194. 1869. 8:285
Omphalina fuliginosa Griff. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.133

Zonites fuliginosus Griff. Beauchamp, Onondaga List. 1886. p.2

Zonites fuliginosa Griff. Walton, Rochester Acad. Sci. Proc. 1892. 2:5. (Monroe county)

Omphalina fuliginosa Griff. Pilsbry, List Naut. 1898. p.24

Omphalina inornata Say

Helix inornata Say. DeKay, Nat. Hist. N. Y. 1843. p.39. (Orange county)

Hyalina inornata Say. Tryon, Am. Jour. Conch. 1866. 2:249

Zonites inornata Say. Binney, Smith. Misc. Coll. 194. 1869. 8:289

Omphalina inornata Binn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.133. (New Hartford)

Zonites inornatus Say. Beauchamp, Onondaga List. 1886. p.2

Zonites inornata Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:5. (Pittsford)

Omphalina inornata Say. Pilsbry, List Naut. 1898. p.25

Genus VITREA Fitzinger

Vitrea cellaria Müller

Helix cellaria Müll. DeKay, Nat. Hist. N. Y. 1843. p.37

Hyalina cellaria Müll. Tryon, Am. Jour. Conch. 1866. 2:249

Hyalina cellaria Müll. Binney, Smith. Misc. Coll. 194. 1869. 8:30. (Long Island)

Helix cellaria Müll. Smith & Prime, An. Lyc. N. Y. 1870. 9:402. (Long Island)

Omphalina cellaria Müll. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.133

Vitrea cellaria Müll. Pilsbry, List Naut. 1898. p.25

Vitrea hammonis Ström.

Helix electrina Gld. DeKay, Nat. Hist. N. Y. 1843. p.30. (Lake George)

Hyalina electrina Gld. Tryon, Am. Jour. Conch. 1866. 2:251

Hyalina viridula Mke. Binney, Smith. Misc. Coll. 194. 1869. 8:34. (Mohawk river)

Helix viridula Mke. Smith & Prime, An. Lyc. N. Y. 1870. 9:403. (Long Island)

Omphalina viridula Mke. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.134

Zonites viridulus Mke. Beauchamp, Onondaga List. 1886. p.3

Zonites viridula Mke. Walton, Rochester Acad. Sci. Proc. 1892. 2:6

Vitrea hammonis Ström. Pilsbry, List Naut. 1898. p.25

Vitrea binneyana Morse

Helix binneyana Morse. Smith & Prime, An. Lyc. N. Y. 1870. 9:403. (Huntington L. I.)

Vitrea binneyana Morse. Pilsbry, List Naut. 1898. p.26

Vitrea ferrea Morse

Hyalina ferrea Morse. Binney, Smith. Misc. Coll. 194. 1869. p.40

Omphalina ferrea Morse. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.134

Vitrea ferrea Morse. Pilsbry, List Naut. 1898. p.26

Vitrea indentata Say

Helix indentata Say. DeKay, Nat. Hist. N. Y. 1843. p.31. (Troy)

Hyalina indentata Say. Tryon, Am. Jour. Conch. 1866. 2:246

Hyalina indentata Say. Binney, Smith. Misc. Coll. 194. 1869. 8:35

Helix indentata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:403. (Long Island)

Omphalina indentata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.134

Zonites indentatus Say. Beauchamp, Onondaga List. 1886. p.3

Zonites indentata Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:6. (Monroe county)

Vitrea indentata Say. Pilsbry, List Naut. 1898. p.26

Genus ZONITOIDES Lehmann

Zonitoides nitidus Müller

Hyalina nitida Müll. Tryon, Am. Jour. Conch. 1866. 2:250

Hyalina nitida Müll. Binney, Smith. Misc. Coll. 194. 1869. 8:31. (Washington county)

Omphalina nitida Müll. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.134. (Cherry Valley)

Zonites nitidus Müll. Beauchamp, Onondaga List. 1886. p.3

Zonites nitida Müll. Walton, Rochester Acad. Sci. Proc. 1892. 2:6. (Monroe county)

Zonitoides nitidus Müll. Pilsbry, List Naut. 1898. p.27

Zonitoides arboreus Say

Helix arborea Say. DeKay, Nat. Hist. N. Y. 1843. p.30. (Rockland county)

Helix arborea Say. Jay, Cat. 1852. p.120

Hyalina arborea Say. Tryon, Am. Jour. Conch. 1866. 2:251

Helix arborea Say. Aldrich, Troy List. 1867. p.5. (Troy)

Hyalina arborea Say. Binney, Smith. Misc. Coll. 194. 1869. 8:33. (Mohawk river)

Helix arborea Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:402. (Long Island)

Omphalina arborea Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.134

Zonites arboreus Say. Beauchamp, Onondaga List. 1886. p.3

Zonites arborea Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:6. (Pittsford)

Zonitoides arboreus Say. Pilsbry, List Naut. 1898. p.27

Zonitoides limatulus Ward

Pseudohyalina limatula Ward. Tryon, Am. Jour. Conch. 1866. 2:264

Hyalina limatula Ward. Binney, Smith. Misc. Coll. 194. 1869. 8:36

Zonites limatulus Ward. Beauchamp, Onondaga List. 1886. p.3

Zonitoides limatulus Ward. Pilsbry, List Naut. 1898. p.27

Zonitoides minusculus Binney

Pseudohyalina minuscula Binn. Tryon, Am. Jour. Conch. 1866. 2:264

Hyalina minuscula Binn. Binney, Smith. Misc. Coll. 194. 1869. 8:37

Omphalina minuscula Binn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.134

Zonites minusculus Binn. Beauchamp, Onondaga List. 1886. p.3

Zonites minuscula Binn. Walton, Rochester Acad. Sci. Proc. 1892. 2:6

Zonitoides minusculus Binn. Pilsbry, List Naut. 1898. p.27

Zonitoides exiguus Stimpson

Hyalina exigua St. Binney, Smith. Misc. Coll. 194. 1869. 8:42

Omphalina exiguus St. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.134

Zonitoides exiguus St. Pilsbry, List Naut. 1898. p.28

Zonitoides milium Morse

Zonitoides milium Morse. Pilsbry, List Naut. 1898. p.28

Genus EUCONULUS Reinhardt

Euconulus fulvus Müller

Helix fulva Drap. Smith & Prime, An. Lyc. N. Y. 1870. 9:403. (Long Island)

Conulus fulvus Müll. Pilsbry, List Naut. 1898. p.27

Euconulus chersinus Say

Helix chersina Say. DeKay, Nat. Hist. N. Y. 1843. p.44

Conulus chersina Say. Tryon, Am. Jour. Conch. 1866. 2:256

Helix chersina Say. Aldrich, Troy List. 1867. p.5. (Mohawk)

Helix chersina Say. Binney, Smith Misc. Coll. 194. 1869. 8:46

Zonites chersina Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:6. (Pittsford)

Genus GASTRODONTA Albers

Gastrodonta intertexta Binney

Helix intertexta Binn. DeKay, Nat. Hist. N. Y. 1843. p.38. (Ontario county)

Mesomphix intertexta Binn. Tryon, Am. Jour. Conch. 1866. 2:254

Hyalina intertexta Binn. Binney, Smith. Misc. Coll. 194. 1869. 8:44. (Sharon Springs)

Zonites intertextus Binn. Beauchamp, Onondaga List. 1886. p.3

Zonites intertexta Binn. Walton, Rochester Acad. Sci. Proc. 1892. 2:5. (Monroe county)

Gastrodonta intertexta Binn. Pilsbry, List Naut. 1898. p.28

Gastrodonta ligera Say

Helix ligera Say. DeKay, Nat. Hist. N. Y. 1843. p.40. (Ontario county)

Mesomphix ligera Say. Tryon, Am. Jour. Conch. 1866. 2:255

Hyalina ligera Say. Binney, Smith. Misc. Coll. 194. 1869. 8:44

Omphalina ligera Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.133. (Erie county)

Zonites ligerus Say. Beauchamp, Onondaga List. 1886. p.3

Gastrodonta ligera Say. Pilsbry, List Naut. 1898. p.28

Gastrodonta suppressa Say

Helix suppressa Say. DeKay, Nat. Hist. N. Y. 1843. p.38

Zonites suppressa Say. Binney, Smith. Misc. Coll. 194. 1869. 8:293

Helix suppressa Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:380. (Westchester county)

Ventridens suppressa Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.134

Zonites suppressa Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:6. (Monroe county)

Gastrodonta suppressa Say. Pilsbry, List Naut. 1898. p.28

Gastrodonta multidentata Binney

Gastrodonta multidentata Binn. Tryon, Am. Jour. Conch. 1866. 2:258

Helix multidentata Binn. Aldrich, Troy List. 1867. p.5. (Albany)

Hyalina multidentata Binn. Binney, Smith. Misc. Coll. 194. 1869. 8:50

Ventridens multidentata Binn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.134

Zonites multidentatus Binn. Beauchamp, Onondaga List. 1886. p.3

Zonites multidentata Binn. Walton, Rochester Acad. Sci. Proc. 1892. 2:6. (Monroe county)

Gastrodonta multidentata Binn. Pilsbry, List Naut. 1898. p.29

Genus PUNCTUM Morse

Punctum pygmaeum Draparnaud

Conulus minutissima Lea. Tryon, Am. Jour. Conch. 1866. 2:257

Punctum minutissimum Lea. Binney, Smith. Misc. Coll. 194. 1869. 8:222

Helix minutissima Lea. Smith & Prime, An. Lyc. N. Y. 1870. 9:404. (Huntington)

Punctum minutissimum Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.132

Punctum pygmaeum Drap. Pilsbry, List Naut. 1898. p.33

Genus SPHYRADIUM Charp

Sphyradium edentulum Draparnaud

Pupa simplex Gld. DeKay, Nat. Hist. N. Y. 1843. p.52
Vertigo simplex Gld. Tryon, Am. Jour. Conch. 1867. 3:310
Vertigo simplex Gld. Binney, Smith. Misc. Coll. 194. 1869. 8:254
Vertigo simplex Gld. Smith & Prime, An. Lyc. N. Y. 1870. 9:404. (Long Island)
Isthmia simplex Gld. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.133
Vertigo simplex Gld. Beauchamp, Onondaga List. 1886. p.2
Pupa simplex Gld. Walton, Rochester Acad. Sci. Proc. 1892. 2:10
Sphyradium edentulum Drap. Pilsbry, List Naut. 1898. p.33

Family HELICIDAE

Genus PYRAMIDULA Fitzinger

Pyramidula alternata Say

Helix alternata Say. DeKay, Nat. Hist. N. Y. 1843. p.29
Helix alternata Say. Jay, Cat. 1852. p.119
Helix radiata Gmel. Jay, Cat. 1852. p.169
Helix scabra Lam. Jay, Cat. 1852. p.173
Anguispira alternata Say. Tryon, Jour. Conch. 1866. 2:261
Helix alternata Say. Aldrich, Troy List. 1867. p.5
Helix alternata Say. Binney, Smith. Misc. Coll. 194. 1869. 8:73
Patula alternata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131
Helix alternata Say. Beauchamp, Onondaga List. 1886. p.1
Patula alternata Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:8. (Monroe county)
Pyramidula alternata Say. Pilsbry, List Naut. 1898. p.31

Pyramidula striatella Anthony

Helix striatella Anth. DeKay, Nat. Hist. N. Y. 1843. p.43. (Oriskany)
Patula striatella Anth. Tryon, Am. Jour. Conch. 1866. 2:262
Helix striatella Anth. Aldrich, Troy List. 1867. p.6. (Islands in Hudson)
Helix striatella Anth. Binney, Smith. Misc. Coll. 194. 1869. 8:80. (Mohawk)
Patula striatella Anth. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131

Helix striatella Anth. Beauchamp, Onondaga List. 1886. p.1
Patula striatella Anth. Walton, Rochester Acad. Sci. Proc. 1892. 2:8. (Monroe county)
Pyramidula striatella Anth. Pilsbry, List Naut. 1898. p.32

Pyramidula solitaria Say

Helix solitaria Say. DeKay, Nat. Hist. N. Y. 1843. p.43
Helix solitaria Say. Binney, Smith. Misc. Coll. 194. 1869. 8:71
Patula solitaria Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131. (Western New York)
Pyramidula solitaria Say. Pilsbry, List Naut. 1898. p.31

Pyramidula perspectiva Say

Helix perspectiva Say. DeKay, Nat. Hist. N. Y. 1843. p.42. (Lake Erie)
Helix perspectiva Say. Jay, Cat. 1852. p.163
Helix perspectiva Say. Say, Conch. U. S. ed. by Binney. 1858. p.9. (Lake Erie)
Patula perspectiva Say. Tryon, Am. Jour. Conch. 1866. 2:262
Helix perspectiva Say. Binney, Smith. Misc. Coll. 194. 1869. 8:79
Patula perspectiva Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131
Helix perspectiva Say. Beauchamp, Onondaga List. 1886. p.1
Patula perspectiva Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:8. (Monroe county)
Pyramidula perspectiva Say. Pilsbry, List Naut. 1898. p.32

Genus ACANTHINULA Beck

Acanthinula harpa Say

Zoogenites harpa Say. Tryon, Am. Jour. Conch. 1867. 3:311
Acanthinula harpa Say. Pilsbry, List Naut. 1898. p.7

Genus HELICODISCUS Morse

Helicodiscus lineatus Say

Helix lineata Say. DeKay, Nat. Hist. N. Y. 1843. p.44. (Troy)
Helix lineata Say. Jay, Cat. 1852. p.151
Helicodiscus lineata Say. Tryon, Am. Jour. Conch. 1866. 2:264
Helix lineata Say. Aldrich, Troy List. 1867. p.5. (Albany)
Hyalina lineata Say. Binney, Smith. Misc. Coll. 194. 1869. 8:52
Helix lineata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:403. (Long Island)

Helicodiscus lineatus Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.130

Helicodiscus lineatus Mse. Beauchamp, Onondaga List. 1886. p.1

Helicodiscus lineatus Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:8. (Monroe county)

Helicodiscus lineatus Say. Pilsbry, List Naut. 1898. p.33

Genus POLYGYRA Say

Polygyra tridentata Say

Helix tridentata Say. DeKay, Nat. Hist. N. Y. 1843. p.28

Helix tridentata Say. Jay, Cat. 1852. p.181

Helix tridentata Say. Aldrich, Troy List. 1867. p.6

Triodopsis tridentata Say. Tryon, Am. Jour. Conch. 1867. 3:50

Helix tridentata Say. Binney, Smith. Misc. Coll. 194. 1869. 8:129

Helix tridentata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:380. (Staten Island)

Triodopsis tridentata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131

Helix tridentata Say. Beauchamp, Onondaga List. 1886. p.1

Triodopsis tridentata Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:7. (Rochester)

Polygyra tridentata Say. Pilsbry, List Naut. 1898. p.10

Polygyra tridentata juxtidens Pilsbry

Polygyra juxtidens Pils. Pilsbry, List Naut. 1898. p.10. (Southern New York)

Polygyra fraudulenta Pilsbry

Helix fallax Say. DeKay, Nat. Hist. N. Y. 1843. p.28

Helix fallax Say. Jay, Cat. 1852. p.138

Triodopsis fallax Say. Tryon, Am. Jour. Conch. 1867. 3:51

Helix fallax Say. Binney, Smith. Misc. Coll. 194. 1869. 8:131

Triodopsis fallax Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131

Triodopsis fallax Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:7. (Rochester)

Polygyra fraudulenta Pils. Pilsbry, List Naut. 1898. p.10.

Polygyra inflecta Say

Isognomostoma inflecta Say. Tryon, Am. Jour. Conch. 1867. 3:54

Helix inflecta Say. Binney, Smith. Misc. Coll. 194. 1869. 8:128
Polygyra inflecta Say. Pilsbry, List Naut. 1898. p.11.

Polygyra profunda Say

Helix profunda Say. DeKay, Nat. Hist. N. Y. 1843. p.42
Ulostoma profunda Say. Tryon, Am. Jour. Conch. 1867. 3:37
Helix profunda Say. Binney, Smith. Misc. Coll. 194. 1869. 8:152
Mesodon profunda Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.132
Polygyra profunda Say. Pilsbry, List Naut. 1898. p.11. (Western New York)

Polygyra sayi Binney

Helix diodonta Say. DeKay, Nat. Hist. N. Y. 1843. p 34
Helix diodonta Say. Binney ed. Say. 1858. p.30
Mesodon diodonta Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.132
Helix sayii Binn. Beauchamp, Onondaga List. 1886. p.2
Mesodon sayii Binn. Walton, Rochester Acad. Sci. Proc. 1892. 2:7. (Pittsford)
Polygyra sayii Binn. Pilsbry, List Naut. 1898. p.12

Polygyra albolabris Say

Helix albolabris Say. DeKay, Nat. Hist. N. Y. 1843. p.26
Helix rufa DeK. DeKay, Nat. Hist. N. Y. 1843. p.44. (Orange county)
Helix albolabris Say. Jay, Cat. 1852. p.119
Helix albolabris Say. Aldrich, Troy List. 1867. p.5. (Bald mountain)
Mesodon albolabris Say. Tryon, Am. Jour. Conch. 1867. 3:39
Helix albolabris Say. Binney, Smith. Misc. Coll. 194. 1869. 8:136
Helix albolabris Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:403. (Long Island)
Mesodon albolabris Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131
Helix albolabris Say. Beauchamp, Onondaga List. 1886. p.2
Mesodon albolabris Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:7. (Rochester)
Polygyra albolabris Say. Pilsbry, List Naut. 1898. p.12

Polygyra albolabris dentata Walker

Mesodon albolabris dentate var. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131

Mesodon albolabris var. dentata Walton, Rochester Acad. Sci. Proc. 1892. 2:7. (Pittsford)

Polygyra exoleta Binney

Helix exoleta Binn. DeKay, Nat. Hist. N. Y. 1843. p.27. (Rockland county)

Helix zaleta Say. Jay, Cat. 1852. p.186

Helix exoleta Binn. Aldrich, Troy List. 1867. p.5. (Near Albany)

Mesodon exoleta Binn. Tryon, Am. Jour. Conch. 1867. 3:39

Helix exoleta Binn. Binney, Smith. Misc. Coll. 194. 1869. 8:144

Mesodon exoleta Binn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131

Polygyra exoleta Binn. Pilsbry, List Naut. 1898. p.12. (Western New York)

Polygyra multilineata Say

Helix multilineata Say. DeKay, Nat. Hist. N. Y. 1843. p.41. (Western New York)

Helix multilineata Say. Binney, Smith. Misc. Coll. 194. 1869. 8:139

Mesodon multilineata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131

Polygyra multilineata Say. Pilsbry, List Naut. 1898. p.12. (Western New York)

Polygyra dentifera Binney

Helix dentifera Binn. DeKay, Nat. Hist. N. Y. 1843. p.34

Mesodon dentifera Binn. Tryon, Am. Jour. Conch. 1867. 3:39

Helix dentifera Binn. Binney, Smith. Misc. Coll. 194. 1869. 8:145

Mesodon dentifera Binn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131. (Buffalo)

Polygyra dentifera Binn. Pilsbry, List Naut. 1898. p.12

Polygyra palliata Say

Helix palliata Say. DeKay, Nat. Hist. N. Y. 1843. p.33. (Niagara)

Helix palliata Say. Jay, Cat. 1852. p.161

Helix caroliniensis Lea. Jay, Cat. 1852. p.127

Helix palliata Say. Say, Conch. U. S. ed. by Binney. 1858. p.16. (Niagara)
Xolotrema palliata Say. Tryon, Am. Jour. Conch. 1867. 3:49
Helix palliata Say. Aldrich, Troy List. 1867. p.5. (Near Troy)
Helix palliata Say. Binney, Smith. Misc. Coll. 194. 1869. 8:123
Triodopsis palliata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131
Helix palliata Say. Beauchamp, Onondaga List. 1886. p.1
Triodopsis palliata Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:7. (Pittsford)
Polygyra palliata Say. Pilsbry, List Naut. 1898. p.13

Polygyra appressa Say

Helix appressa Say. DeKay, Nat. Hist. N. Y. 1843. p.27
Helix appressa Say. Jay, Cat. 1852. p.120
Helix appressa Say. Say, Conch. U. S. ed. by Binney. 1858. p.15. (Niagara falls)
Xolotrema appressa Say. Tyron, Am. Jour. Conch. 1867. 3:50
Helix appressa Say. Binney, Smith. Misc. Coll. 194. 1869. 8:126
Polygyra appressa Say. Pilsbry, List Naut. 1898. p.13

Polygyra elevata Say

Helix elevata Say. DeKay, Nat. Hist. N. Y. 1843. p.36
Xolotrema elevata Say. Tryon, Am. Jour. Conch. 1867. 3:48
Helix elevata Say. Binney, Smith. Misc. Coll. 194. 1869. 8:142
Mesodon elevata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131
Polygyra elevata Say. Pilsbry, List Naut. 1898. p 13

Polygyra pennsylvanica Green

Helix pennsylvanica Green. DeKay, Nat. Hist. N. Y. 1843. p.41
Helix pennsylvanica Green. Binney, Smith. Misc. Coll. 194. 1869. 8:140
Polygyra pennsylvanica Green. Pilsbry, List Naut. 1898. p.13

Polygyra thyroides Say

Helix thyroidus Say. DeKay, Nat. Hist. N. Y. 1843. p.29
Helix thyroides Say. Jay, Cat. 1852. p.180
Helix thyroidus Say. Say, Conch. U. S. ed. by Binney. 1858. p.31. (Niagara falls)

Helix thyroidus Say. Aldrich, Troy List. 1867. p.6. (Near Bald mountain)

Mesodon thyroides Say. Tryon, Am. Jour. Conch. 1867. 3:41

Mesodon bucculenta Gld. Tryon, Am. Jour. Conch. 1867. 3:41

Helix thyroides Say. Binney, Smith. Misc Coll. 194. 1869. 8:147

Helix thyroides Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:403. (Long Island)

Mesodon thyroides Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131

Helix thyroides Say. Beauchamp, Onondaga List. 1886. p.2

Mesodon thyroides Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:7. (Rochester)

Polygyra thyroides Say. Pilsbry, List Naut. 1898. p.13

Polygyra clausa Say

Helix clausa Say. DeKay, Nat. Hist. N. Y. 1843. p.31

Helix clausa Say. Binney, Smith. Misc. Coll. 194. 1869. 8:149

Polygyra clausa Say. Pilsbry, List Naut. 1898. p 13

Polygyra hirsuta Say

Helix hirsuta Say. DeKay, Nat. Hist. N. Y. 1843. p.36

Helix hirsuta Say. Jay, Cat. 1852. p.144

Stenotrema hirsuta Say. Tryon, Am. Jour. Conch. 1867. 3:57

Helix hirsuta Say. Binney, Smith. Misc. Coll. 194. 1869. 8:118

Helix hirsuta Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:380. (Westchester county)

Stenotrema hirsuta Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131. (New Hartford)

Stenotrema hirsuta Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:7. (Rochester)

Polygyra hirsuta Say. Pilsbry, List Naut. 1898. p.14

Polygyra monodon Racket

Helix monodon Rack. DeKay, Nat. Hist. N. Y. 1843. p.35. (Troy)

Helix monodon Rack. Aldrich, Troy List. 1867. p.5. (Troy)

Stenotrema monodon Rack. Tryon, Am. Jour. Conch. 1867. 3:56

Helix monodon Rack. Binney, Smith. Misc. Coll. 194. 1869. 8:120

Helix monodon Rack. Smith & Prime, An. Lyc. N. Y. 1870. 9:380. (Westchester county)

Stenotrema monodon Rack. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131

Helix monodon Rack. Beauchamp, Onondaga List. 1886. p.1

Stenotrema monodon Rack. Walton, Rochester Acad. Sci. Proc. 1892. 2:7. (Rochester)

Polygyra monodon Rack. Pilsbry, List Naut. 1898. p.14

Polygyra monodon fraterna Say

Helix fraterna Say. Jay, Cat. 1852. p.140

Stenotrema monodon var. fraterna Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:7. (Rochester)

Polygyra monodon fraterna Say. Pilsbry, List Naut. 1898. p.15

Polygyra leai Ward

Stenotrema monodon var. leaii Ward. Walton, Rochester Acad. Sci. Proc. 1892. 2:7. (Rochester)

Genus VALLONIA Risso

Vallonia pulchella Müller

Helix minuta Say. DeKay, Nat. Hist. N. Y. 1843. p.40. (Essex county)

Vallonia minuta Say. Tryon, Am. Jour. Conch. 1867. 3:36

Helix minuta Say. Aldrich, Troy List. 1867. p.5. (Mohawk flats)

Helix pulchella Müll. Binney, Smith. Misc. Coll. 194. 1869. p.157

Helix pulchella Müll. Smith & Prime, An. Lyc. N. Y. 1870. 9:403. (Long Island)

Vallonia pulchella Müll. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.132

Helix pulchella Müll. Beauchamp, Onondaga List. 1886. p.2

Vallonia pulchella Müll. Walton, Rochester Acad. Sci. Proc. 1892. 2:7. (Pittsford)

Vallonia pulchella Müll. Pilsbry, List Naut. 1898. p.7

Vallonia excentrica Sterki

Vallonia excentrica Stk. Pilsbry, List Naut. 1898. p.7

Vallonia costata Müller

Vallonia costata Müll. Pilsbry, List Naut. 1898. p.7

Genus CIRCINARIA Beck

Circinaria concava Say

Helix concava Say. DeKay, Nat. Hist. N. Y. 1843. p.33

Macrocyclis concava Say. Tryon, Am. Jour. Conch. 1866. 2:245

Helix concava Say. Aldrich, Troy List. 1867. p.5. (Lansingburg)

Macrocyclis concava Say. Binney, Smith. Misc. Coll. 194. 1869. 8:56

Macrocyclis concava Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131

Macrocyclis concava Say. Beauchamp, Onondaga List. 1886. p.1

Macrocyclis concava Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:5. (Pittsford)

Circinaria concava Say. Pilsbry, List Naut. 1898. p.24

Genus HELIX Linnaeus

Helix hortensis Müller

Helix subglobosa Binn. DeKay, Nat. Hist. N. Y. 1843. p.32

Helix hortensis Müll. Smith & Prime, An. Lyc. N. Y. 1870. 9:404

Tachea hortensis Müll. Walton, Rochester Acad. Sci. Proc. 1892. 2:7. (East Rochester)

Family PUPIDAE

Genus PUPOIDES Pfeiffer

Pupoides marginatus Say

Pupa fallax Say. DeKay, Nat. Hist. N. Y. 1843. p.51

Pupa fallax Say. Jay, Cat. 1852. p 226

Leucochila fallax Say. Tryon, Am. Jour. Conch. 1867. 3:305

Pupa fallax Say. Binney, Smith. Misc. Coll. 194. 1869. 8:239

Pupa fallax Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:404. (Long Island)

Leucochila fallax Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.132. (Crown Point)

Pupa fallax Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:10. (Rochester)

Leucochila fallax Say. Pilsbry, List Naut. 1898. p.19

Pupoides marginatus Say. Pilsbry, A. N. S. P. Proc. 1900. p.605

Genus PUPA Lamarck

Pupa muscorum Linnaeus

Pupa badia Ads. DeKay, Nat. Hist. N. Y. 1843. p.49. (Crown Point)

Pupa muscorum Linn. Jay, Cat. 1852. p.229

Pupilla badia Ads. Tryon, Am. Jour. Conch. 1867. 3:302

Pupa muscorum Linn. Binney, Smith. Misc. Coll. 194. 1869. 8:234. (Isles of St Lawrence)

Pupilla muscorum Linn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.132. (Crown Point)

Pupa muscorum Linn. Walton, Rochester Acad. Sci. Proc. 1892. 2:10. (Brighton)

Pupa muscorum Linn. Pilsbry, List Naut. 1898. p.20

Pupa muscorum Linn. Pilsbry, A. N. S. P. Proc. 1900. p.605

Genus VERTIGO Müller

Vertigo ovata Say

Pupa ovata Say. DeKay, Nat. Hist. N. Y. 1843. p 50

Pupa ovata Say. Jay, Cat. 1852. p.230

Vertigo ovata Say. Aldrich, Troy List. 1867. p.6. (Troy)

Vertigo ovata Say. Tryon, Am. Jour. Conch. 1867. 3:310

Vertigo ovata Say. Binney, Smith. Misc. Coll. 194. 1869. 8:252

Vertigo ovata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:404. (Long Island)

Isthmia ovata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.133

Vertigo ovata Say. Beauchamp, Onondaga List. 1886. p.2

Vertigo ovata Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:11

Vertigo ovata Say. Pilsbry, List Naut. 1898. p.22

Vertigo ovata Say. Pilsbry, A. N. S. P. Proc. 1900. p.608

Vertigo binneyana Sterki

Vertigo binneyana Stk. Pilsbry, List Naut. 1898. p.21

Vertigo binneyana Stk. Pilsbry, A. N. S. P. Proc. 1900. p.608

Vertigo pygmaea Draparnaud

Vertigo pygmaea Drap. Pilsbry, List Naut. 1898. p.22

Vertigo pygmaea Drap. Pilsbry, A. N. S. P. Proc. 1900. p.608

Vertigo tridentata Wolf

Vertigo tridentata Wolf. Pilsbry, List Naut. 1898. p.22

Vertigo tridentata Wolf. Pilsbry, A. N. S. P. Proc. 1900. p.608

Vertigo ventricosa Morse

Vertigo ventricosa Morse. Tryon, Am. Jour. Conch. 1867. 3:310. (Mohawk)

Vertigo ventricosa Morse. Binney, Smith. Misc. Coll. 194. 1869. 8:253

Isthmia ventricosa Morse. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.133

Vertigo ventricosa Morse. Beauchamp, Onondaga List. 1886. p.2

Vertigo ventricosa Morse. Pilsbry, List Naut. 1898. p.22

Vertigo ventricosa Morse. Pilsbry, A. N. S. P. Proc. 1900. p.609

Vertigo gouldi Binney

Pupa gouldii Binn. Jay, Cat. 1852. p.227

Vertigo gouldii Binn. Tryon, Am. Jour. Conch. 1867. 3:309

Vertigo gouldii Binn. Binney, Smith. Misc. Coll. 194. 1869. 8:249

Isthmia gouldii Binn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.132

Vertigo gouldii Binn. Pilsbry, List Naut. 1898. p.22

Vertigo gouldii Binn. Pilsbry, A. N. S. P. Proc. 1900. p.609

Vertigo gouldi bollesiana Morse

Vertigo bollesiana Morse. Tryon, Am. Jour. Conch. 1867. 3:308

Vertigo bollesiana Morse. Binney, Smith. Misc. Coll. 194. 1869. 8:250

Isthmia bollesiana Morse. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.132

Vertigo bollesiana Morse. Beauchamp, Onondaga List. 1886. p.2

Vertigo bollesiana Morse. Pilsbry, List Naut. 1898. p.22

Vertigo gouldii bollesiana Morse. Pilsbry, A. N. S. P. Proc. 1900. p.609

Vertigo modesta Say

Pupa modesta Say. Jay, Cat. 1852. p.229

Vertigo modesta Say. Pilsbry, A. N. S. P. Proc. 1900. p.609

Vertigo milium Gould

Pupa milium Gld. DeKay, Nat. Hist. N. Y. 1843. p.48

Vertigo milium Gld. Tryon, Am. Jour. Conch. 1867. 3:309

Vertigo milium Gld. Binney, Smith. Misc. Coll. 194. 1869. 8:251

Vertigo milium Gld. Smith & Prime, An. Lyc. N. Y. 1870. 9:404. (Long Island)

Isthmia milium Gld. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.133

Pupa milium Gld. Walton, Rochester Acad. Sci. Proc. 1892. 2:10. (Monroe county)

Vertigo milium Gld. Pilsbry, List Naut. 1898. p.21

Vertigo milium Gld. Pilsbry, A. N. S. P. Proc. 1900. p.610

Genus COCHLICOPA Risso

Cochlicopa lubrica Müller

Bulimus lubricus Brug. DeKay, Nat. Hist. N. Y. 1843. p.55. (Oriskany, Oneida county)

Zua subcylindrica Chem. Tryon, Am. Jour. Conch. 1867. 3:299

Achatina lubrica Müll. Aldrich, Troy List. 1867. p.6. (Mohawk basin)

Cionella subcylindrica Linn. Binney, Smith. Misc. Coll. 194. 1869. 8:224

Zua subcylindrica Linn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.132

Cionella subcylindrica Linn. Beauchamp, Onondaga List. 1886. p.2

Ferussacia subcylindrica Linn. Walton, Rochester Acad. Sci. Proc. 1892. 2:11. (Monroe county)

Cochlicopa lubrica Müll. Pilsbry, List Naut. 1898. p.23

Genus BIFIDARIA Sterki

Bifidaria corticaria Say

Pupa corticaria Say. DeKay, Nat. Hist. N. Y. 1843. p.50

Leucochila corticaria Say. Tryon, Am. Jour. Conch. 1867. 3:307

Pupa corticaria Say. Binney, Smith. Misc. Coll. 194. 1869. 8:244

Pupa corticaria Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:404. (Huntington)

Leucochila corticaria Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.132

Pupa corticaria Say. Beauchamp, Onondaga List. 1886. p.2

Pupa corticaria Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:10. (Pittsford)

Bifidaria corticaria Say. Pilsbry, List Naut. 1898. p.19
Bifidaria corticaria Say. Pilsbry, A. N. S. P. Proc. 1900. p.606

Bifidaria rupicola Say

Pupa rupicola Say. Binney, Smith. Misc. Coll. 194. 1869. 8:243
Leucochila rupicola Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.132
Pupa rupicola Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:10. (Pittsford)
Bifidaria rupicola Say. Pilsbry, List Naut. 1898. p.19
Bifidaria rupicola Say. Pilsbry, A. N. S. P. Proc. 1900. p.607

Bifidaria contracta Say

Pupa contracta Say. DeKay, Nat. Hist. N. Y. 1843. p.49. (Troy)
Pupa contracta Say. Jay, Cat. 1852. p.224
Leucochila contracta Say. Tryon, Am. Jour. Conch. 1867. 3:307
Pupa contracta Say. Binney, Smith. Misc. Coll. 194. 1869. 8:242. (Mohawk)
Pupa contracta Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:404. (Huntington)
Leucochila contracta Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p 132
Pupa contracta Say. Beauchamp, Onondaga List. 1886. p.2
Pupa contracta Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:10. (Monroe county)
Bifidaria contracta Say. Pilsbry, List Naut. 1898. p.19
Bifidaria contracta Say. Pilsbry, A. N. S. P. Proc. 1900. p.607

Bifidaria armifera Say

Pupa armifera Say. DeKay, Nat. Hist. N. Y. 1843. p.52. (Crown Point)
Leucochila armifera Say. Tryon, Am. Jour. Conch. 1867. 3:306
Pupa armifera Say. Binney, Smith. Misc. Coll. 194. 1869. 8:241
Pupa armifera Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:380. (Westchester county)
Leucochila armifera Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.132

Pupa armifera Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:10. (Rochester)
Bifidaria armifera Say. Pilsbry, List Naut. 1898. p.19
Bifidaria armifera Say. Pilsbry, A. N. S. P. Proc. 1900. p.607

Bifidaria pentodon Say

Pupa pentodon Say. DeKay, Nat. Hist. N. Y. 1843. p.50. (Albany)
Pupa pentodon Say. Jay, Cat. 1852. p.230
Pupilla pentodon Say. Tryon, Am. Jour. Conch. 1867. 3:303
Pupa pentodon Say. Binney, Smith. Misc. Coll. 194. 1869. 8:236
Pupa pentodon Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:404. (Long Island)
Pupilla pentodon Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.132
Pupa pentodon Say. Beauchamp, Onondaga List. 1886. p.2
Pupa pentodon Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:10. (Rochester)
Bifidaria pentodon Say. Pilsbry, List Naut. 1898. p 20
Bifidaria pentodon Say. Pilsbry, A. N. S P. Proc. 1900. p.608

Bifidaria curvidens Gould

Bifidaria curvidens Gld. Pilsbry, List Naut. 1898. p.20
Bifidaria curvidens Gld. Pilsbry, A. N. S. P. Proc. 1900. p.608

Genus STROBILOPS Pilsbry

Strobilops labyrinthica Say

Helix labyrinthica Say. DeKay, Nat. Hist. N. Y. 1843. p.39. (Troy)
Helix labyrinthica Say. Jay, Cat. 1852. p.148
Strobila labyrinthica Say. Tryon, Am. Jour. Conch. 1866. 2:259
Helix labyrinthica Say. Binney, Smith. Misc. Coll. 194. 1869. 8:84
Helix labyrinthica Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:403. (Greenport)
Strobila labyrinthica Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131
Helix labyrinthica Say. Beauchamp, Onondaga List. 1886. p.1
Strobila labyrinthica Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:8. (Pittsford)
Strobilops labyrinthica Say. Pilsbry, List Naut. 1898. p.18

Strobilops virgo Pilsbry

Strobilops virgo Pils. Pilsbry, List Naut. 1898. p.19

Strobilops affinis Pilsbry

Strobilops affinis Pils. Pilsbry, List Naut. 1898. p.19

Family LIMACIDAE

Genus LIMAX Linnaeus

Limax maximus Linnaeus

Limax maximus Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:403. (Long Island)

Limax maximus Linn. Walton, Rochester Acad. Sci. Proc. 1892. 2:8. (Monroe county)

Limax maximus Linn. Pilsbry, List Naut. 1898. p.29. (Lockport. Mr E. P. VanDuzee)

Limax flavus Linnaeus

Limax flavus Linn. DeKay, Nat. Hist. N. Y. 1843. p.21. (New York city)

Limax flavus Linn. Tryon, Am. Jour. Conch. 1867. 3:314

Limax flavus Linn. Binney, Smith. Misc. Coll. 194. 1869. 8:61

Limax flavus Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:403. (Long Island)

Eulimax flavus Linn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131

Limax flavus Linn. Beauchamp, Onondaga List. 1886. p.1

Limax flavus Linn. Walton, Rochester Acad. Sci. Proc. 1892. 2:8. (Monroe county)

Limax flavus Linn. Pilsbry, List Naut. 1898. p.29

Family TEBENNOPHORIDAE

Genus PHILOMYCUS (Raf.) Ferussac

Philomycus carolinensis Bosc

Tebennophorus carolinensis Bosc. DeKay, Nat. Hist. N. Y. 1843. p.24

Tebennophorus carolinensis Bosc. Tryon, Am. Jour. Conch. 1867. 3:316

Tebennophorus carolinensis Bosc. Binney, Smith. Misc. Coll. 194. 1869. 8:297

Tebennophorus carolinensis Binn. Smith & Prime, An. Lyc. N. Y. 1870. 9:404. (Long Island)

Tebennophorus carolinensis Bosc. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.134

Tebennophorus carolinensis Bosc. Beauchamp, Onondaga List. 1886. p.3

Tebennophorus carolinensis Bosc. Walton, Rochester Acad. Sci. Proc. 1892. 2:8

Philomycus carolinensis Bosc. Pilsbry, List Naut. 1898. p.29, 31

Philomycus dorsalis Binney

Tebennophorus dorsalis Binn. Tryon, Am. Jour. Conch. 1867. 3:317

Tebennophorus dorsalis Binn. Binney, Smith. Misc. Coll. 194. 1869. 8:300

Tebennophorus dorsalis Binn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.134

Tebennophorus dorsalis Binn. Beauchamp, Onondaga List. 1886. p.3

Tebennophorus dorsalis Binn. Walton, Rochester Acad. Sci. Proc. 1892. 2:8. (Monroe county)

Philomycus dorsalis Binn. Pilsbry, List Naut. 1898. p.31

Family ARIONIDAE

Genus ARION Ferussac

Arion hortensis Ferussac

Arion hortensis Fer. DeKay, Nat. Hist. N. Y. 1843. p.23

Arion hortensis Fer. Pilsbry, A. N. S. P. Proc. 1898. p.239. (Poughkeepsie)

Arion hortensis Fer. Pilsbry, List Naut. 1898. p.29. (Poughkeepsie)

Genus AGRIOLIMAX Mörch

Agriolimax agrestis Linnaeus

Limax agrestis Linn. DeKay, Nat. Hist. N. Y. 1843. p.20

Limax agrestis Müll. Tryon, Am. Jour. Conch. 1867. 3:315

Limax agrestis Linn. Binney, Smith. Misc. Coll. 194. 1869. 8:63

Limax agrestis Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:403. (Long Island)

Eulimax agrestis Linn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131

Limax agrestis Linn. Beauchamp, Onondaga List. 1886. p.1

Limax agrestis Linn. Walton, Rochester Acad. Sci. Proc. 1892. 2:8. (Monroe county)

Agriolimax agrestis Linn. Pilsbry, List Naut. 1898. p.29

Agriolimax campestris Binney

Limax campestris Binn. DeKay, Nat. Hist. N. Y. 1843. p.22
Limax campestris Binn. Binney, Smith. Misc. Coll. 194. 1869. 8:65
Limax campestris Binn. Smith & Prime, An. Lyc. N. Y. 1870. 9:403. (Long Island)
Eulimax campestris Binn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.131
Limax campestris Binn. Beauchamp, Onondaga List. 1886. p.1
Limax campestris Walton. Walton, Rochester Acad. Sci. Proc. 1892. 2:8. (Monroe county)
Agriolimax campestris Binn. Pilsbry, List Naut. 1898. p.29

Family SUCCINEIDAE

Genus SUCCINEA Draparnaud

Succinea retusa Lea

Succinea ovalis Say. DeKay, Nat. Hist. N. Y. 1843. p.53
Helix ovalis Say. Jay, Cat. 1852. p.161
Succinea ovalis Say. Jay, Cat. 1852. p.250
Succinea ovalis Say. Tryon, Am. Jour. Conch. 1866. 2:237
Succinea ovalis Say. Aldrich, Troy List. 1867. p.5
Succinea ovalis Gld. Binney, Smith. Misc. Coll. 194. 1869. 8:257
Succinea ovalis Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:380
Succinea ovalis Gld. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p 133
Succinea ovalis Gld. Beauchamp, Onondaga List. 1886. p.2
Succinea ovalis Gld. Walton, Rochester Acad. Sci. Proc. 1892. 2:11
Succinea retusa Lea. Pilsbry, List Naut. 1898. p.34

Succinea obliqua Say

Succinea obliqua Say. DeKay, Nat. Hist. N. Y. 1843. p.53. (Herkimer county)
Succinea obliqua Say. Jay, Cat. 1852. p.473
Succinea obliqua Say. Tryon, Am. Jour. Conch. 1866. 2:232
Succinea obliqua Say. Aldrich, Troy List. 1867. p.5. (Albany)
Succinea obliqua Say. Binney, Smith. Misc. Coll. 194. 1869. 8:265. (Mohawk)
Succinea obliqua Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.133

Succinea obliqua Say. Beauchamp, Onondaga List. 1886. p 2
Succinea obliqua Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:11. (Monroe county)
Succinea obliqua Say. Pilsbry, List Naut. 1898. p.34

Succinea obliqua totteniana Lea

Succinea totteniana Lea. Tryon, Am. Jour. Conch. 1866. 2:230
Succinea totteniana Lea. Aldrich, Troy List. 1867. p.5
Succinea totteniana Lea. Binney, Smith. Misc. Coll. 194. 1869. 8:266
Succinea totteniana Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.133
Succinea totteniana Lea. Beauchamp, Onondaga List. 1886. p.2
Succinea totteniana Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:11. (Monroe county)
Succinea obliqua totteniana Lea. Pilsbry, List Naut. 1898. p.34

Succinea avara Say

Succinea avara Say. DeKay, Nat. Hist. N. Y. 1843. p.54. (Near Lake Champlain)
Succinea avara Say. Jay, Cat. 1852. p.250
Succinea avara Say. Tryon, Am. Jour. Conch. 1866. 2:233
Succinea avara Say. Binney, Smith. Misc. Coll. 194. 1869. 8:262. (Mohawk river)
Succinea avara Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:404. (Long Island)
Succinea avara Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.133
Succinea avara Say. Beauchamp, Onondaga List. 1886. p.2. (Seneca river)
Succinea avara Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:11. (Monroe county)
Succinea avara Say. Pilsbry, List Naut. 1898. p.34

Succinea aurea Lea

Succinea aurea Lea. Tryon, Am. Jour. Conch. 1866. 2:241. (Niagara falls)
Succinea aurea Lea. Binney, Smith. Misc. Coll. 194. 1869. 8:264
Succinea aurea Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.133. (Little Lakes)

Succinea aurea Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:11. (Monroe county)

Succinea aurea Lea. Pilsbry, List Naut. 1898. p.34

Order BASOMMATOPHORA

Suborder GEHYDROPHILA

Family AURICULIDAE

Genus ALEXIA Leach

Alexia myosotis Draparnaud

Auricula denticulata Mont DeKay, Nat. Hist N. Y. 1843. p.58

Alexia myosotis Drap. Binney, Smith. Misc. Coll. 143. 1865. 7:4. (Long Island sound)

Melampus denticulatus St. Smith & Prime, An. Lyc N. Y. 1870. 9:399

Alexia myosotis Drap. Lewis, Buf. Soc. Nat Sci Bul. 2 1874. p.134

Genus MELAMPUS Montfort

Melampus lineatus Say

Auricula bidentata Say. DeKay, Nat. Hist. N. Y. 1843. p.57

Auricula bidentata Say. Jay, Cat. 1852. p 264

Auricula cornea Desh. Jay, Cat. 1852. p.264

Melampus bidentatus Say. Binney, Smith. Misc. Coll. 143. 1865. 7:10

Melampus lineatus Say. Binney, Smith. Misc. Coll. 143. 1865. 7:12

Melampus corneus St. Smith & Prime, An. Lyc. N. Y. 1870. 9:399

Melampus bidentatus Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.134

Suborder HYGROPHILA

Family LIMNAEIDAE

Subfamily LIMNAEINAE

Limnaea stagnalis Linnaeus

Limnea jugularis Say. DeKay, Nat. Hist. N. Y. 1843. p.74. (Lakes Champlain and Onondaga)

Limnea appressa Say. DeKay, Nat. Hist. N. Y. 1843. p.74. (Lakes Champlain and Cayuga)

Limnaea appressa Say. Stimpson, New Eng. Shells. 1851. p.52. (Lake Champlain)

Lymnaea jugularis Say. Jay. Cat. 1852. p.269

Limnaea stagnalis Linn. Binney, Smith. Misc. Coll. 143. 1865. 7:25. (Black river)

Limnaea stagnalis Linn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.135

Limnaea stagnalis Linn. Beauchamp, Onondaga List. 1886. p.3. (Oneida lake)

Limnaea stagnalis Linn. Walton, Rochester Acad. Sci. Proc. 1892. 2:11. (Brighton)

Limnaea ampla Mighels

Limnaea ampla Migh. Binney, Smith. Misc. Coll. 143. 1865. 7:30

Limnaea ampla Migh. Aldrich, Troy List. 1867. p.3. (Dry river)

Radix ampla Migh. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.135

Limnaea auricularia Linnaeus

Limnaea auricularia Linn. Call, Naut. 1902. 16:58. (Flatbush)

Limnaea columella Say

Limnea columella Say. DeKay, Nat. Hist. N. Y. 1843. p.72

Lymnaea columella Say. Jay, Cat. 1852. p 269. (Cayuga lake)

Lymnaea macrostoma Say. Jay, Cat. 1852. p.270

Lymnaea navicula Val. Jay, Cat. 1852. p.270

Limnea macrostoma Say. Binney, Smith. Misc. Coll. 143. 1865. 7:4

Limnea columella Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:402. (Greenport L. I.)

Radix columella Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.135

Limnaea columella Say. Beauchamp, Onondaga List. 1886. p.3. (Seneca river)

Limnaea columella Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:12. (Erie canal)

Limnaea columella Say. Letson, N. Y. State Mus. Bul. 45. 1901. p.244. (Goat island. Post-Pliocene)

Limnaea megasoma Say

Limnea megasoma Say. DeKay, Nat. Hist. N. Y. 1843. p.70. (Lake Champlain)

Limnaea megasoma Say. Stimpson, New Eng. Shells. 1851. p.52. (Lake Champlain)

Limnaea megasoma Say. Binney, Smith. Misc. Coll. 143. 1865. 7:37. (Lake Champlain)

Bulimnea megosoma Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.135. (Lake Champlain)

Limnaea reflexa Say

Limnea reflexa Say. DeKay, Nat. Hist. N. Y. 1843. p.71. (Herkimer county)

Lymnaea reflexa Say. Jay, Cat. 1852. p.270

Lymneus reflexus Say. Say, Conch. U. S. ed. by Binney. 1858. p.65. (Lake Erie)

Limnaea reflexa Say. Binney, Smith. Misc. Coll. 143. 1865. 7:38. (Lake Erie)

Limnophysa reflexa Say. Tryon, Am. Jour. Conch. 1865. 1:249. (Western New York)

Limnaea reflexa Say. Aldrich, Troy List. 1867. p.3. (Mohawk river)

Limnophysa reflexa Say. Lewis, Buf. Soc. Nat. Sci. Bul 2. 1874. p.135. (Western New York)

Limnaea reflexa Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:12. (Rochester)

Limnaea reflexa umbrosa Say

Limnea umbrosa Say. DeKay, Nat. Hist. N. Y. 1843. p.68

Lymnaea elongata Say. Jay, Cat. 1852. p.269

Lymnaea umbrosa Say. Jay, Cat. 1852. p.271

Limnophysa umbrosa Say. Tryon, Am. Jour. Conch. 1865. 1:250

Physa elongata Say. Smith & Prime, An. Lyc N. Y. 1870. 9:402. (Huntington L. I.)

Limnaea umbrosa Say. Beauchamp, Onondaga List. 1886. p.3

Limnaea palustris Müller

Limnea fragilis Linn. DeKay, Nat. Hist. N. Y. 1843. p.68

Lymnaea elodes Say. Jay, Cat. 1852 p.269

Lymnaea fragilis Linn. Jay, Cat. 1852. p.269

Lymnaea palustris Drap. Jay, Cat. 1852. p.270

Lymneus elodes Say. Say, Conch. U. S. ed. by Binney. 1858. p.66. (Canandaigua lake)

Limnaea palustris Müll. Binney, Smith Misc. Coll. 143. 1865. 7:44

Limnophysa palustris Müll. Tryon, Am. Jour. Conch. 1865. 1:251. (Western New York)

Limnaea elodes Say. Aldrich, Troy List. 1867. p.3. (Troy)

Limnophysa elodes Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.135

Limnaea elodes Say. Beauchamp, Onondaga List. 1886. p.3

Limnaea elodes Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:12. (Erie canal)

Limnaea desidiosa Say

Lymnaea fusiformis Lea. Lea, Obs. Genus Unio. 1841. 4:10. (Niagara river at Lewiston)

Limnea desidiosa Say. DeKay, Nat. Hist. N. Y. 1843. p.73

Lymnaea desidiosa Say. Jay, Cat. 1852. p.269

Lymnaea acuta Say. Jay, Cat. 1852. p.268

Lymneus desidiosus Say. Say, Conch. U. S. ed. by Binney. 1858. p.66. (Cayuga lake)

Limnaea desidiosa Say. Binney, Smith. Misc. Coll. 143. 1865. 7:48. (Cayuga lake)

Limnaea desidiosa Say. Aldrich, Troy List. 1867. p.3. (Mohawk river)

Limnea desidiosa Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:402. (Long Island)

Limnophysa desidiosa Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.135

Limnaea desidiosa Say. Beauchamp, Onondaga List. 1886. p.3

Limnaea desidiosa Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:12

Limnaea desidiosa Say. Letson, N. Y. State Mus. Bul. 45. 1901. p.244. (Goat island. Post-Pliocene)

Limnaea emarginata Say

Limnea emarginata Say. DeKay, Nat. Hist. N. Y. 1843. p.73. (Mohawk river)

Limnaea emarginata Say. Binney, Smith. Misc. Coll. 143. 1865. 7:51. (Owasco lake)

Limnophysa emarginata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.135

Limnaea emarginata Say. Beauchamp, Onondaga List. 1886. p.3. (Cross lake)

Limnaea catascopium Say

Limnea catascopium Say. DeKay, Nat. Hist. N. Y. 1843. p.67

Lymnaea catascopium Say. Jay, Cat. 1852. p.268

Limnaea catascopium Say. Binney, Smith. Misc. Coll. 143 1865. 7:53. (Mohawk river)

Limnaea elodes var. catascopium Say. Aldrich, Troy List. 1867. p.3

Limnophysa catascopium Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.135

Limnaea catascopium Say. Beauchamp, Onondaga List. 1886. p.3

Limnaea catascopium Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:12. (Rochester)

Limnaea catascopium Say. Letson, N. Y. State Mus. Bul. 45. 1901. p.244. (Goat island. Post-Pliocene)

Limnaea caperata Say

Limnea caperata Say. DeKay, Nat. Hist. N. Y. 1843. p.69. (Mohawk river)

Limnaea caperata Say. Binney, Smith. Misc. Coll. 143. 1865. 7:56. (Mohawk river)

Limnaea umbilicata Ads. Aldrich, Troy List. 1867. p.3. (Hudson river)

Limnea caperata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:380. (Westchester county)

Limnophysa umbilicata Ads. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.135

Limnaea umbilicata Ads. Beauchamp, Onondaga List. 1886. p.3

Limnaea caperata Say. Beauchamp, Onondaga List. 1886. p.3

Limnaea caperata Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:12. (Pittsford)

Limnaea pallida Adams

Limnea pallida Ads. DeKay, Nat. Hist. N. Y. 1843. p.69. (Lake Champlain)

Limnaea pallida Ads. Stimpson, New Eng. Shells. 1851. p.52. (Lake Champlain)

Lymnaea pallida Ads. Jay, Cat. 1852. p.270

Limnaea pallida Ads. Binney, Smith. Misc. Coll. 143. 1865 7:60. (Lake Champlain)

Limnophysa pallida Ads. Lewis, Buf. Soc. Nat. Sci Bul. 2 1874. p.135

Limnaea pallida Ads. Beauchamp, Onondaga List. 1886. p.4. (Onondaga lake)

Limnaea pallida Ads. Walton, Rochester Acad. Sci. Proc. 1892. 2:12. (Erie canal)

Limnaea humilis Say

Limnea humilis Say. DeKay, Nat. Hist. N. Y. 1843. p.71

Limnea linsleyi DeK. DeKay, Nat. Hist. N. Y. 1843. p.72 (Stratford)

Lymnaea humilis Say. Jay, Cat. 1852. p 269

Limnaea humilis Say. Binney, Smith. Misc. Coll. 143. 1865. 7:63. (Otsego county)

Limnaea humilis Say. Aldrich, Troy List. 1867. p 3 (Mohawk river)

Limnea humilis Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:402. (Long Island)

Limnophysa humilis Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874 p.135

Limnaea humilis Say. Beauchamp, Onondaga List. 1886. p.4

Limnaea gracilis Jay

Limnea gracilis Say. DeKay, Nat. Hist. N. Y. 1843. p.70. (Lake Champlain)

Limnaea gracilis Jay. Stimpson, New Eng. Shells. 1851. p.52. (Lake Champlain)

Limnaea gracilis Jay. Binney, Smith. Misc. Coll. 143. 1865. 7:69. (Schuyler's lake)

Acella gracilis Jay. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.135. (Niagara river)

Genus PHYSA Draparnaud

Physa gyrina Say

Physa gyrina Say. DeKay, Nat. Hist. N. Y. 1843. p 79. (Northern New York)

Physa elliptica Lea. DeKay, Nat. Hist. N. Y. 1843. p.77

Physa gyrina Say. Binney, Smith. Misc. Coll. 143. 1865. 7:77

Physa hildrethiana Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.135

Physa gyrina Say. Beauchamp, Onondaga List. 1886. p.4

Physa gyrina Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:12. (Erie canal)

Physa ancillaria Say

Physa ancillaria Say. DeKay, Nat. Hist. N. Y. 1843. p.79. (Lake Champlain)

Physa obesa DeK. DeKay, Nat. Hist. N. Y. 1843. p.78. (Rensselaer county)

Physa obesa DeK. Jay, Cat. 1852. p.271

Physa ancillaria Say. Binney, Smith. Misc. Coll. 143. 1865. 7:81. (Hudson river)

Physa ancillaria Say. Tryon, Am. Jour. Conch. 1865. 1:167

Physa ancillaria Say. Aldrich, Troy List. 1867. p.3. (Hudson river)

Physa ancillaria Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:380. (Westchester county)

Physa ancillaria Say. Lewis, Buf. Soc. Nat. Sci Bul. 2. 1874. p.135. (Owasco lake)

Physa ancillaria Say. Beauchamp, Onondaga List. 1886. p.4. (Skaneateles)

Physa ancillaria Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:12. (Rochester)

Physa heterostropha Say

Physa heterostropha Say. DeKay, Nat. Hist. N. Y. 1843. p.76

Physa cylindrica Newc. DeKay, Nat. Hist. N. Y. 1843. p.77. (Wayne county)

Physa plicata DeK. DeKay, Nat. Hist. N. Y. 1843. p.78. (New York island)

Physa aurea Lea. DeKay, Nat. Hist N. Y. 1843. p.80. (West Point)

Physa heterostropha Say. Jay, Cat. 1852. p.271

Physa plicata DeK. Tryon, Am. Jour. Conch. 1865. 1:165

Physa heterostropha Say. Binney, Smith. Misc. Coll. 143. 1865. 7:84. (Mohawk river)

Physa heterostropha Say. Aldrich, Troy List. 1867. p.3. (Hudson river)

Physa heterostropha Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:402. (Long Island)

Physa heterostropha Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.136

Physa heterostropha Say. Beauchamp, Onondaga List. 1886. p.4

Physa heterostropha Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:12. (Rochester)

Physa heterostropha Say. Letson, N. Y. State Mus. Bul. 45. 1901. p.245. (Goat island. Post-Pliocene)

Physa integra Haldeman

Physa niagarensis Lea. Lea, Obs. Genus Unio. 1864. 11:129. (Niagara river)

Physa niagarensis Lea. Tryon, Am. Jour. Conch. 1865. 1:168. (Niagara river)

Physa niagarensis Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.136. (Niagara river)

Isodora integra Hald. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.136

Physa niagarensis Lea. Beauchamp, Onondaga List. 1886. p.4. (Onondaga lake)

Physa niagarensis Lea. Crandall, Naut. 1901. 15:55. (Niagara river)

Genus APLEXA Leach

Aplexa hypnorum Linnaeus

Physa glabra DeK. DeKay, Nat. Hist. N. Y. 1843. p.80. (Lake Champlain)

Physa elongata Say. DeKay, Nat. Hist. N. Y. 1843. p.81

Physa hypnorum Linn. Jay, Cat. 1852. p.271

Physa elongata Say. Jay, Cat. 1852. p.271

Physa glabra DeK. Tryon, Am. Jour. Conch. 1865. 1:171

Bulinus hypnorum Linn. Binney, Smith. Misc. Coll. 143. 1865. p.99

Physa hypnorum Linn. Aldrich, Troy List. 1867. p.4

Bulinus hypnorum Linn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.136

Bulinus hypnorum Linn. Beauchamp, Onondaga List. 1886. p.4

Bulinus hypnorum Linn. Walton, Rochester Acad. Sci. Proc. 1892. 2:13. (Pittsford)

Subfamily PLANORBINAE

Genus PLANORBIS Guettard

Planorbis campanulatus Say

Planorbis campanulatus Say. DeKay, Nat. Hist. N. Y. 1843. p.61. (Western New York)

Planorbis campanulatus Say. Jay, Cat. 1852. p.267

Planorbis campanulatus Say. Say, Conch. U. S. ed. by Binney. 1858. p.64. (Cayuga lake)

Planorbis campanulatus Say. Binney, Smith. Misc. Coll. 143. 1865. 7:109. (Little Lakes)

Planorbis campanulatus Say. Aldrich, Troy List. 1867. p.4. (Mohawk river)

Planorbella campanulatus Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.136

Planorbis campanulatus Say. Beauchamp, Onondaga List. 1886. p.4

Planorbis campanulatus Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:13. (Pittsford)

Planorbis trivolvis Say

Planorbis trivolvis Say. DeKay, Nat. Hist. N. Y. 1843. p.59

Planorbis megastoma DeK. DeKay, Nat. Hist. N. Y. 1843. p.61. (Lake Ontario)

Planorbis corpulentus Say. DeKay, Nat. Hist. N. Y. 1843. p.64. (Lake Champlain)

Physa planorbula DeK. DeKay, Nat. Hist. N. Y. 1843. p.76. (Cohoes falls)

Planorbis trivolvis Say. Jay. Cat. 1852. p.268

Planorbis trivolvis Say. Say, Conch. U. S. ed by Binney. 1858. p.44. (French creek, near Lake Erie)

Planorbis trivolvis Say. Binney, Smith. Misc. Coll. 143. 1865. 7:115. (Niagara falls)

Planorbis corpulentus Say. Binney, Smith. Misc. Coll. 143. 1865. 7:114

Planorbis trivolvis Say. Aldrich, Troy List. 1867. p.4

Planorbis trivolvis Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:402. (Long Island)

Helisoma trivolvis Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.136

Planorbis trivolvis Say. Beauchamp, Onondaga List. 1886. p.4

Planorbis trivolvis Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:13. (Charlotte)

Planorbis trivolvis lentus Say

Planorbis lentus Say. DeKay, Nat. Hist. N. Y. 1843. p.60. (Western New York)

Planorbis lentus Say. Binney, Smith. Misc. Coll. 143. 1865. 7:104

Planorbis lentus Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.136

Planorbis lentus Say. Beauchamp, Onondaga List. 1886. p.4

Planorbis bicarinatus Say

Planorbis bicarinatus Say. DeKay, Nat. Hist. N. Y. 1843. p 60

Planorbis bicarinatus Say. Jay, Cat. 1852. p.267

Planorbis bicarinatus Say. Binney, Smith. Misc. Coll. 143. 1865. 7:123. (Herkimer county)

Planorbis bicarinatus Say. Aldrich, Troy List. 1867. p.4. (Mohawk river)

Planorbis bicarinatus Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:402. (Long Island)

Helisoma bicarinatus Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.136

Planorbis bicarinatus Say. Beauchamp, Onondaga List. 1886. p.4

Planorbis bicarinatus Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:13 (Rochester)

Planorbis bicarinatus Say. Letson, N. Y. State Mus. Bul. 45. 1901. p.245. (Goat island. Post-Pliocene)

Planorbis exacutus Say

Planorbis exacutus Say. DeKay, Nat. Hist. N. Y. 1843. p.63.

Planorbis exacutus Say. Jay, Cat. 1852. p.267

Planorbis exacutus Say. Say, Conch. U. S. ed. by Binney. 1858. p.64 (Lake Champlain)

Planorbis exacutus Say. Binney, Smith. Misc. Coll. 143. 1865. 7:126. (Lake Champlain)

Pianorbis exacutus Say. Aldrich, Troy List. 1867. p.4. (Hudson river)

Planorbis exacutus Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:402. (Long Island)

Menetus exacutus Say. Lewis, Buf. Soc. Nat Sci. Bul. 2. 1874. p.136

Planorbis exacutus Say. Beauchamp, Onondaga List. 1886. p.4

Planorbis deflectus Say

Planorbis deflectus Say. DeKay, Nat. Hist. N. Y. 1843. p.65

Planorbis obliquus DeK. DeKay, Nat. Hist. N. Y. 1843. p.62. (Mohawk river)

Planorbis deflectus Say. Binney, Smith. Misc. Coll. 143. 1865. 7:129

Planorbis deflectus Say. Aldrich, Troy List. 1867. p 4. (Mohawk river)

Gyraulus deflectus Say. Lewis, Buf. Soc. Nat. Sci. Bul 2. 1874 p 136

Planorbis deflectus Say. Beauchamp, Onondaga List. 1886. p.4

Planorbis deflectus Say. Wilton, Rochester Acad Sci Proc. 1892. 2:13. (Brighton)

Planorbis dilatatus Gould

Planorbis dilatatus Gld. DeKay, Nat. Hist N Y. 1843. p.66

Planorbis dilatatus Gld. Binney, Smith. Misc. Coll. 143. 1865. 7:131

Planorbis dilatatus Gld. Smith & Prime, An. Lyc. N. Y. 1870. 9:402. (Long Island)

Gyraulus dilatatus Gld. Lewis, Buf Soc. Nat. Sci. Bul. 2. 1874. p.136

Planorbis dilatatus Gld. Beauchamp, Onondaga List. 1886. p.4

Planorbis albus Müller

Planorbis hirsutus Gld. DeKay, Nat. Hist. N. Y. 1843. p.64

Planorbis albus Müll. Binney, Smith. Misc. Coll. 143. 1865. 7:132

Gyraulus albus Müll. Lewis, Buf. Soc. Nat. Sci. Bul. 2 1874. p.136

Planorbis albus Müll. Beauchamp, Onondaga List 1886. p.4

Planorbis parvus Say

Planorbis parvus Say. DeKay, Nat. Hist N. Y. 1843. p.63. (Mohawk river)

Planorbis elevatus Ads. DeKay, Nat. Hist. N. Y. 1843. p.65

Planorbis parvus Say. Jay, Cat. 1852. p.268

Planorbis parvus Say. Binney, Smith. Misc. Coll. 143. 1865. 7:133. (Mohawk river)

Planorbis parvus Gld. Aldrich, Troy List. 1867. p.4. (Mohawk river)

Planorbis parvus Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:402. (Long Island)

Gyraulus parvus Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.136

Planorbis parvus Say. Beauchamp, Onondaga List. 1886. p.4

Planorbis parvus Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:13. (Charlotte)

Planorbis parvus Say. Letson, N. Y. State Mus. Bul. 45. 1901. p.245. (Goat island. Post-Pliocene)

Genus SEGMENTINA Fleming

Segmentina armigera Say

Planorbis armigerus Say. DeKay, Nat. Hist. N. Y. 1843. p.62

Planorbis armigerus Say. Jay, Cat. 1852. p.267

Segmentina armigera Say. Binney, Smith. Misc. Coll. 143. 1865. 7:137

Planorbis armigerus Say. Aldrich, Troy List. 1867. p.4. (Mohawk basin)

Planorbis armigerus Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:402. (Long Island)

Planorbula armigera Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.136

Segmentina armigera Say. Beauchamp, Onondaga List. 1886. p.4

Segmentina armigera Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:13. (Brighton)

Subfamily ANCYLINAE

Genus ANCYLUS Geoffroy

Ancylus fuscus Adams

Ancylus fuscus Ads. DeKay, Nat. Hist. N. Y. 1843. p.13

Ancylus fuscus Ads. Binney, Smith. Misc. Coll. 143. 1865. 7:140

Ancylus fuscus Ads. Smith & Prime, An. Lyc. N. Y. 1870. 9:399. (Long Island)

Ancylus fuscus Ads. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.137

Ancylus parallelus Haldeman

Ancylus parallelus Hald. Binney, Smith. Misc. Coll. 143. 1865. 7:142

Ancylus parallelus Hald. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.137

Ancylus parallelus Hald. Beauchamp, Onondaga List. 1886. p.5

Ancylus parallelus Hald. Walton, Rochester Acad. Sci. Proc. 1892. 2:13. (Charlotte)

Ancylus rivularis Say

Ancylus rivularis Say. DeKay, Nat. Hist. N. Y. 1843. p.12

Ancylus rivularis Say. Binney, Smith. Misc. Coll. 143. 1865. 7:142

Ancylus rivularis Say. Beauchamp, Onondaga List. 1886. p.4

Ancylus rivularis Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:13. (Genesee river)

Ancylus tardus Say

Ancylus tardus Say. Binney, Smith. Misc. Coll. 143. 1865. 7:143. (Mohawk river)

Ancylus tardus Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.137. (Little Lakes)

Ancylus tardus Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:13. (Irondequoit)

Ancylus calcarius DeKay

Ancylus calcarius DeK. DeKay, Nat. Hist. N. Y. 1843. p.13

Ancylus calcarius DeK. Binney, Smith. Misc. Coll. 143. 1865. p.143

Ancylus borealis Morse

Ancylus borealis Morse. Binney, Smith. Misc. Coll. 143. 1865. 7:156. (Patten)

Genus GUNDLACHIA Pfeiffer

Gundlachia stimpsoniana Smith

Gundlachia stimpsoniana Smith. Smith & Prime, An. Lyc. N. Y. 1870. 9:399. (Long Island)

Gundlachia sp.

Gundlachia sp. J. M. Clarke, Am. Jour. Sci. 1882. ser. 3. 23:248. (Canandaigua)

Class POLYPLACOPHORA

Family ISCHNOCHITONIDAE

Genus CHAETOPLEURA Shuttleworth

Chaetopleura apiculata Say

Chiton apiculatus Say. DeKay, Nat. Hist. N. Y. 1843. p.164

Chiton apiculatus Say. Jay, Cat. 1852. p.97

Chiton apiculatus Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:392

Chaetopleura apiculata Say. Tryon, Man. Conch. 1892. 14:35

Genus TRACHYDERMON Carpenter

Trachydermon albus Linnaeus

Chiton albus Linn. DeKay, Nat. Hist. N. Y. 1843. p.163

Chiton albus Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:392

Ischnochiton albus Linn. Tryon, Man. Conch. 1892. 14:70

Class PELECYPODA

Order SIPHONIDA

Suborder SINUPALLIATA

Family TEREDIDAE

Genus TEREDO Linnaeus

Teredo navalis Linnaeus

Teredo navalis Linn. DeKay, Nat. Hist. N. Y. 1843. p.249

Teredo dilatata Stimpson

Teredo dilatata St. Smith & Prime, An. Lyc. N. Y. 1870. 9:391. (Greenport)

Family PHOLADIDAE

Subfamily PHOLADINAE

Genus PHOLAS Linnaeus

Pholas costata Linnaeus

Pholas truncata Say. DeKay, Nat. Hist. N. Y. 1843. p.248. (Westchester and Richmond counties)

Pholas truncata Say. Jay, Cat. 1852. p.10

Pholas costata Linn. Jay, Cat. 1852. p.10

Pholas truncata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:391. (Rockaway)

Pholas costata Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:391

Genus ZIRFAEA Leach

Zirfaea crispata Linnaeus

Pholas crispata Linn. DeKay, Nat. Hist. N. Y. 1843. p.247. (Long Island)

Pholas crispata Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:391

Family SOLENIDAE

Genus ENSIS Schumacher

Ensis directus Conrad

Solen ensis Linn. DeKay, Nat. Hist. N. Y. 1843. p.242

Solen ensis Linn. Jay, Cat. 1852. p.11

Solen vagina Linn. Jay, Cat. 1852. p.11

Solen siliqua Linn. Jay, Cat. 1852. p.11
Solen ensis Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:389
Ensis directus Conr. Dall, Nat. Mus. Proc. 1900. 22:107

Genus SILIQUA Megerle

Siliqua costata Say

Machaera costata Say. DeKay. Nat. Hist. N. Y. 1843. p.244
Machaera costata Say. Jay, Cat. 1852. p.12
Machaera costata Gld. Smith & Prime, An. Lyc. N. Y. 1870. 9:389. (Coney Island, Rockaway, East Hampton)
Siliqua costata Say. Dall, Nat. Mus. Proc. 1900. 22:108

Family SOLENINAE
Subfamily PHARELLINAE
Genus TAGELUS Gray

Tagelus gibbus Spengl

Solecurtus caribaeus Lam. DeKay, Nat. Hist. N. Y. 1843. p.243. (Westchester county)
Solecurtus caribaeus Lam. Jay, Cat. 1852. p.12. (Westchester county)
Solecurtus gibbus F. & H. Smith & Prime, An. Lyc. N. Y. 1870. 9:389. (Long Island)

Tagelus divisus Spengl.

Solecurtus bidens F. & H. Smith & Prime, An. Lyc. N. Y. 1870. 9:389

Family SAXICAVIDAE
Genus SAXICAVA Fleuriau

Saxicava arctica Linnaeus

Saxicava distorta Say. DeKay, Nat. Hist. N. Y. 1843. p.227. (Long Island)
Saxicava pholadis var. Lam. Jay, Cat. 1852. p.22
Saxicava arctica Desh. Smith & Prime, An. Lyc. N. Y. 1870. 9:390. (Long Island sound)

Family MYACIDAE
Genus MYA Linnaeus

Mya arenaria Linn.

Mya arenaria Linn. DeKay, Nat. Hist. N. Y. 1843. p.240. (Long Island sound)
Mya arenaria Linn. Jay, Cat. 1852. p.13
Mya arenaria Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:390

Family CORBULIDAE

Genus CORBULA Lamarck

Corbula contracta Say

Corbula contracta Say. DeKay, Nat. Hist. N. Y. 1843 p.241. (Long Island sound)

Corbula contracta Say. Smith & Prime, An Lyc. N. Y 1870. 9:390

Family ANATINIDAE

Genus PANDORA Bruguiere

Pandora trilineata Say

Pandora trilineata Say. DeKay, Nat. Hist. N. Y. 1843. p.239. (Long Island sound)

Pandora trilineata Say. Jay, Cat. 1852. p.15

Pandora trilineata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:390. (Montauk point)

Genus THRACIA Leach

Thracia conradi Couthouy

Thracia conradi Couth. DeKay, Nat. Hist. N. Y. 1843. p.237. (Long Island sound)

Thracia conradi Couth. Smith & Prime, An. Lyc. N. Y. 1870. 9:390. (Greenport)

Thracia truncata Mighels

Thracia truncata Migh. Smith & Prime, An. Lyc. N. Y. 1870. 9:390

Genus COCHLODESMA Couthouy

Cochlodesma leana Conrad

Cochlodesma leana Conr. DeKay, Nat. Hist. N. Y. 1843. p.236

Cochlodesma leana Conr. Jay, Cat. 1852. p.16

Cochlodesma leanum Migh. Smith & Prime, An. Lyc. N. Y. 1870. 9:390

Genus LYONSIA Turton

Lyonsia hyalina Conrad

Osteodesma hyalina Conr. DeKay, Nat. Hist. N. Y. 1843. p.234

Osteodesma hyalina Conr. Jay, Cat. 1852. p.16

Lyonsia hyalina Conr. Smith & Prime, An. Lyc. N. Y 1870 9:390. (Greenport)

Genus ANATINA Lamarck

Anatina papyracea Say

Anatina papyracea Say. DeKay, Nat. Hist. N. Y. 1843. p.235

Anatina papyracea Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:389. (Gardiner's bay)

Family MACTRIDAE

Subfamily MACTRINAE

Genus SPISULA Gray

Spisula solidissima Chemnitz

Mactra solidissima Chem. DeKay, Nat. Hist. N. Y. 1843. p.229. (Long Island sound)

Mactra gigantea Lam. Jay, Cat. 1852. p.19

Mactra solidissima Chem. Jay, Cat. 1852. p.19

Mactra solidissima Chem. Smith & Prime, An. Lyc. N. Y. 1870. 9:388

Genus MULINIA Gray

Mulinia lateralis Say

Mactra lateralis Say. DeKay, Nat. Hist. N. Y. 1843 p.230. (Westchester county)

Mactra lateralis Say. Jay, Cat. 1852. p.19

Mactra lateralis Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:388. (Long Island sound)

Family SEMELIDAE

Genus CUMINGIA Sowerby

Cumingia tellinoides Conrad

Cumingia tellinoides Conr. DeKay, Nat. Hist. N. Y. 1843. p.233

Cumingia tellinoides Conr. Smith & Prime, An. Lyc. N. Y. 1870. 9:388. (Montauk point)

Family TELLINIDAE

Genus TELLINA Lamarck

Tellina (Angulus) tenera Say

Tellina tenera Say. DeKay, Nat. Hist. N. Y. 1843. p.209

Tellina tenera Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:389

Tellina tenera Say. Stimpson, New Eng. Shells. 1851. p.21

Tellina (Angulus) tenera Say. Dall, Nat. Mus. Proc. 1901. 23:295

Tellina (Angulus) tenella Verrill

Tellina (Angulus) tenella Ver. Dall, Nat. Mus. Proc. 1901. 23:295

Tellina (Angulus) versicolor Cozzens

Tellina versicolor Coz. DeKay, Nat. Hist. N. Y. 1843. p.209. (Hudson river)

Tellina versicolor Coz. Stimpson, New Eng. Shells. 1851. p.21. (Long Island sound)

Tellina (Angulus) versicolor Coz. Dall, Nat. Mus. Proc. 1901. 23:295

Tellina (Scissula) iris Say

Tellina iris Say. Jay, Cat. 1852. p.26

Tellina (Scissula) iris Say. Dall, Nat. Mus. Proc. 1901. 23:297

Genus MACOMA Leach

Macoma balthica Linnaeus

Sanguinolaria fusca Say. DeKay, Nat. Hist. N. Y. 1843. p.212. (Long Island sound)

Psammobia fusca Say. Jay, Cat. 1852. p.24

Tellina fusca Say. Jay, Cat. 1852. p.26

Tellina fusca Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:389. (Greenport)

Macoma balthica Linn. Dall, Nat. Mus. Proc. 1901. 23:298

Macoma calcarea Gmelin

Sanguinolaria sordida Couth. DeKay, Nat. Hist. N. Y. 1843. p.213

Macoma calcarea Gmel. Dall, Nat. Mus. Proc. 1901. 23:299. (Long Island sound)

Macoma tenta Say

Tellina tenta Say. DeKay, Nat. Hist. N. Y. 1843. p.210

Tellina tenta Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:389. (Greenport)

Macoma tenta Say. Dall, Nat. Mus. Proc. 1901. 23:299

Subfamily DONACINAE

Genus DONAX Linnaeus

Donax fossor Say

Donax fossor Say. DeKay, Nat. Hist. N. Y. 1843. p.211

Donax fossor Say. Jay, Cat. 1852. p.31

Donax fossor Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:388. (Long Island sound)

Family PETRICOLIDAE

Genus PETRICOLA Lamarck

Petricola dactylus Sowerby

Petricola dactylus Sow. DeKay, Nat. Hist. N. Y. 1843. p.228. (Glasshouse point)

Petricola dactylus Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:390

Petricola pholadiformis Lamarck

Petricola pholadiformis Lam. DeKay, Nat. Hist. N. Y. 1843. p.228. (Long Island sound)

Petricola pholadiformis Lam. Jay, Cat. 1852. p.23

Petricola pholadiformis Lam. Smith & Prime, An. Lyc. N. Y. 1870. 9:390

Family VENERIDAE

Subfamily VENERINAE

Genus VENUS Linnaeus

Venus mercenaria Linnaeus

Venus mercenaria Linn. DeKay, Nat. Hist. N. Y. 1843. p.217. (Long Island sound)

(?) Venus praeoparea Say. DeKay, Nat. Hist. N. Y. 1843. p.219

Venus mercenaria Linn. Jay, Cat. 1852. p.40

Venus mercenaria Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:388

Venus mercenaria notata Say

Venus mercenaria var. notata Say. DeKay, Nat. Hist. N. Y. 1843. p.218. (Long Island sound)

Venus notata Say. Jay, Cat. 1852. p.41

Venus notata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:388.

Genus MERETRIX Lamarck

Meretrix convexa Say

Cytherea convexa Say. DeKay, Nat. Hist. N. Y. 1843. p.216. (Long Island sound)

Cytherea convexa Say. Stimpson, New Eng. Shells. 1851. p.19. (Long Island sound)

Cytherea convexa Say. Jay, Cat. 1852. p.35

Cytherea convexa Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:388. (New York bay, East Hampton and Montauk)

Meretrix convexa Say. Dall, Zittel, Text-book Pal. 1900. p.415

Subfamily DOSININAE

Genus GEMMA Deshayes

Gemma gemma Totten

Venus gemma Tott. DeKay, Nat. Hist. N. Y. 1843. p.218. (East river)

Venus gemma Tott. Jay, Cat. 1852. p.40

Venus gemma Tott. Smith & Prime, An. Lyc. N. Y. 1870. 9:388

Gemma gemma manhattensis Prime

Venus manhattensis Prime. Jay, Cat. 1852. p.466

Venus manhattensis Prime. Prime, Pamph. 1862. (East river)

Venus manhattensis Prime. Smith & Prime, An. Lyc. N. Y. 1870. 9:388. (Hell Gate, Huntington and Greenport)

Suborder INTEGRIPALLIATA

Family CYRENIDAE

Genus SPHAERIUM Scopoli

Sphaerium simile Say

Cyclas similis Say. DeKay, Nat. Hist. N. Y. 1843. p.222. (Orleans county)

Sphaerium sulcatum Lam. Prime, Monogr. 1862. p.4

Sphaerium sulcatum Lam. Prime, List. 1863. p.8. (Washington county)

Sphaerium sulcatum Lam. Prime, Smith. Misc. Coll. 145. 1865. 7:33

Sphaerium sulcatum Lam. Aldrich, Troy List. 1867. p.2. (Mohawk river)

Sphaerium simile Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:380. (Westchester county)

Sphaerium simile Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.139

Sphaerium simile Say. Beauchamp, Onondaga List. 1886. p.6

Sphaerium similis Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:18. (Erie canal)

Sphaerium simile Say. Sterki, Ms. 1902

Sphaerium rhomboideum Say

Cyclas rhomboidea Say. DeKay, Nat. Hist. N. Y. 1843. p.224. (Rockland county)

Cyclas elegans Ads. DeKay, Nat. Hist. N. Y. 1843. p.224. (Lake Champlain)

Cyclas rhomboidea Say. Say, Conch. U. S. ed. by Binney. 1858. p.111. (Lake Champlain)

Sphaerium rhomboideum Say. Prime, Monogr. 1862. p.7

Sphaerium rhomboideum Say. Prime, List. 1863. p.9. (Washington county)

Sphaerium rhomboideum Say. Prime. Smith. Misc. Coll. 145. 1865. 7:39

Sphaerium rhomboideum Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.139

Sphaerium striatinum Lamarck

Cyclas edentula Say. DeKay, Nat. Hist. N. Y. 1843. p.225. (Canandaigua lake)

Cyclas edentula Say. Say, Conch. U. S. ed. by Binney. 1858. p.137. (Canandaigua lake)

Sphaerium striatinum Lam. Prime, Monogr. 1862. p.6

Sphaerium striatinum Lam. Prime, List. 1863. p.9. (St Lawrence river)

Sphaerium striatinum Lam. Prime, Smith. Misc. Coll. 145. 1865. 7:37

Sphaerium striatinum Lam. Aldrich, Troy List. 1867. p.2. (Mohawk river)

Sphaerium striatinum Lam. Smith & Prime, An. Lyc. N. Y. 1870. 9:380. (Westchester county)

Sphaerium striatinum Lam. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.139

Sphaerium striatinum Lam. Beauchamp, Onondaga List. 1886. p.6

Sphaerium striatinum Lam. Letson, N. Y. State Mus. Bul. 45. 1901. p.246. (Goat island. Post-Pliocene)

Sphaerium solidulum Prime

Sphaerium solidulum Prime. Prime, Monogr. 1862. p.5

Sphaerium solidulum Prime. Prime, List. 1863. p.9. (Herkimer county)

Sphaerium solidulum Prime. Prime, Smith. Misc. Coll. 145. 1865. 7:36

Sphaerium solidulum Prime. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.139

Sphaerium solidulum Prime. Beauchamp, Onondaga List. 1886. p.6

Sphaerium vermontanum Prime

Sphaerium vermontanum Prime. Prime, Monogr. 1862. p.9. (Lake Champlain)

Sphaerium vermontanum Prime. Prime, List. 1863. p.10. (Lake Champlain)

Sphaerium occidentale Prime

Sphaerium occidentale Prime. Prime, Monogr. 1862. p.8

Sphaerium occidentale Prime. Prime, List. 1863. p.10. (Herkimer county)

Sphaerium occidentale Prime. Prime, Smith. Misc. Coll. 145. 1865. 7:41

Sphaerium occidentale Prime. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Sphaerium occidentale Prime. Beauchamp, Onondaga List. 1886. p.6

Sphaerium fabale Prime

Sphaerium fabalis Prime. Prime, Monogr. 1862. p.8

Sphaerium fabalis Prime. Prime, List. 1863. p.10. (Greenwich)

Sphaerium fabalis Prime. Prime, Smith. Misc. Coll. 145. 1865. 7:40

Sphaerium fabale Prime. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140. (Wayne and Herkimer counties)

Sphaerium fabale Prime. Beauchamp, Onondaga List. 1886. p.6

Sphaerium stamineum Conrad

Sphaerium stamineum Conr. Beauchamp, Onondaga List. 1886. p.6

Sphaerium stamineum Conr. Letson, N. Y. State Mus. Bul. 45. 1901. p.246. (Goat island. Post-Pliocene)

Family CYCLADIDAE

Genus CALYCULINA Clessin

Calyculina transversa Say

Sphaerium transversum Say. Prime, Monogr. 1862. p.13

Sphaerium transversum Say. Prime, List. 1863. p.11. (Herkimer county)

Sphaerium transversum Say. Prime, Smith. Misc. Coll. 145. 1865. 7:48

Sphaerium transversum Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Sphaerium transversum Say. Beauchamp, Onondaga List. 1886. p.6. (Erie canal)

Calyculina partumeia Say

Cyclas partumeia Say. DeKay, Nat. Hist. N. Y. 1843. p.223

Sphaerium partumium Say. Prime, Monogr. 1862. p.11

Sphaerium partumeium Say. Prime, List. 1863. p.10. (Lake George, Erie canal)

Sphaerium partumeium Say. Prime, Smith. Misc. Coll. 145. 1865. p.45

Sphaerium partumeium Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:386. (Long Island)

Sphaerium partumeium Say. Lewis, Buf. Soc. Nat. Sci. Bul. 1874. 2:140

Sphaerium partumeium Say. Beauchamp, Onondaga List. 1886. p.6

Sphaerium partumeium Say. Walton, Rochester Acad. Sci. Proc. 2. 1892. p.18. (Genesee river)

Calyculina partumeia Say. Sterki, Naut. 1902. 16:92

Calyculina truncata Linsley

Sphaerium truncatum Lins. Prime, Monogr. 1862. p.17

Sphaerium truncatum Lins. Prime, List. 1863. p.11. (Lake Champlain)

Sphaerium truncatum Lins. Prime, Smith. Misc. Coll. 145. 1865. 7:51

Sphaerium truncatum Lins. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Sphaerium truncatum Lins. Beauchamp, Onondaga List. 1886. p.6

Calyculina truncata Lins. Sterki, Naut. 1902. 16:92

Calyculina rosacea Prime

Sphaerium rosaceum Prime. Prime, Smith. Misc. Coll. 145. 1865. 7:50

Sphaerium rosaceum Prime. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Calyculina rosacea Prime. Sterki, Naut. 1902. 16:92

Calyculina securis Prime

Sphaerium securis Prime. Prime, Monogr. 1862. p.16

Sphaerium securis Prime. Prime, List. 1863. p.11. (Staten Island)

Cyclas crocea Lewis. Prime, List. 1863. p.11. (Otsego county)

Sphaerium securis Prime. Prime, Smith. Misc. Coll. 145. 1865. 7:49

Sphaerium securis Prime. Aldrich, Troy List. 1867. p.2. (Mohawk basin)

Sphaerium securis Prime. Smith & Prime, An. Lyc. N. Y. 1870. 9:386. (Long Island)

Sphaerium secure Prime. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Sphaerium croceum Lewis. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140. (Herkimer county)

Sphaerium secure Prime. Beauchamp, Onondaga List. 1886. p.6

Calyculina securis Prime. Sterki, Naut. 1902. 16:93

Genus PISIDIUM Pfeiffer

Pisidium abditum Haldeman

Pisidium abditum Hald. Prime, List. 1863. p.14. (Herkimer county, Buffalo)

Pisidium notatum Prime. Prime, List. 1863. p.15. (Greenwich)

Pisidium resartum Ingalls. Prime, List. 1863. p.15. (Greenwich)

Pisidium rubrum Lewis. Prime, List. 1863. p.15. (Herkimer county)

Pisidium plenum Lewis. Prime, List. 1863. p.15. (Otsego county)

Pisidium abditum Hald. Prime, Smith. Misc. Coll. 145. 1865. 7:68

Pisidium abditum Hald. Smith & Prime, An. Lyc. N. Y. 1870. 9:386. (Long Island)

Pisidium abditum Hald. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Pisidium abditum Hald. Beauchamp, Onondaga List. 1886. p.6

Pisidium abditum Hald. Letson, N. Y. State Mus. Bul. 45. 1901. p.247. (Goat island. Post-Pliocene)

Pisidium virginicum Bourguignat

Cyclas dubia Say. DeKay, Nat. Hist. N. Y. 1843. p.223. (Lake George)

Pisidium virginicum Bourg. Prime, List. 1863. p.13. (Hudson river, Buffalo)

Pisidium virginicum Bourg. Prime, Smith. Misc. Coll. 145. 1865. 7:61

Pisidium virginicum Bourg. Aldrich, Troy List. 1867. p.3. (Hudson river)

Pisidium virginicum Bourg. Smith & Prime, An. Lyc. N. Y. 1870. 9:380. (Westchester county)

Pisidium virginicum Bourg. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Pisidium virginicum Bourg. Beauchamp, Onondaga List 1886. p.6

Pisidium virginicum Gmel. Carpenter, Naut. 1901. 15:132

Pisidium virginicum Bourg. Letson, N. Y. State Mus. Bul. 45. 1901. p.247. (Goat island. Post-Pliocene)

Pisidium novi-eboracense Prime

Pisidium nov. eboracense Prime. Prime, List. 1863. p.14. (Herkimer and Otsego counties)

Pisidium nov-eboracense Prime. Prime, Smith. Misc. Coll. 145. 1865. 7:67

Pisidium nov. eboracense Prime. Smith & Prime, An. Lyc. N. Y. 1870. 9:380. (Westchester county)

Pisidium novi-eboracense Prime. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Pisidium noveboracense Prime. Beauchamp, Onondaga List. 1886. p.6

Pisidium ventricosum Prime

Pisidium ventricosum Prime. Prime, List. 1863. p.15. (Herkimer and Otsego counties)

Pisidium ventricosum Prime. Prime, Smith. Misc. Coll. 145. 1865. 7:72

Pisidium ventricosum Prime. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Pisidium aequilaterale Prime

Pisidium aequilaterale Prime. Prime, List. 1863. p.14. (Hudson river)

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Pisidium aequilaterale Prime. Prime, Smith. Misc. Coll. 145. 1865. 7:63

Pisidium aequilaterale Prime. Smith & Prime, An. Lyc. N. Y. 1870. 9:380. (Westchester county)

Pisidium aequilaterale Prime. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Pisidium compressum Prime

Pisidium compressum Prime. Prime, List. 1863. p.14. (Herkimer and Otsego counties)

Pisidium compressum Prime. Prime, Smith. Misc. Coll. 145. 1865. 7:64

Pisidium compressum Prime. Aldrich, Troy List. 1867. p.3. (Mohawk river)

Pisidium compressum Prime. Smith & Prime, An. Lyc. N. Y. 1870. 9:380. (Westchester county)

Pisidium compressum Prime. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Pisidium compressum Prime. Beauchamp, Onondaga List. 1886. p.6

Pisidium compressum Prime. Letson, N. Y. State Mus. Bul. 45. 1901. p.247. (Goat island. Post-Pliocene)

Pisidium ferrugineum Prime

Pisidium ferrugineum Prime. Prime, List. 1863. p.15. (Herkimer county)

Pisidium ferrugineum Prime. Prime, Smith. Misc. Coll. 145. 1865. 7:71

Pisidium ferrugineum Prime. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Pisidium ferrugineum Prime. Beauchamp, Onondaga List. 1886. p.6

Pisidium variabile Prime

Pisidium variabile Prime. Prime, Smith. Misc. Coll. 145. 1865. 7:66

Pisidium variabile Prime. Smith & Prime, An. Lyc. N. Y. 1870. 9:386. (Long Island)

Pisidium variabile Prime. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Pisidium variabile Prime. Beauchamp, Onondaga List. 1886. p.6

Pisidium variabile Prime. Walton, Rochester Acad. Sci. Proc. 1892. 2:18. (Monroe county)

Pisidium affine Sterki

Pisidium affine Stk. Sterki, Naut. 1901. 15:66

Pisidium sargenti Sterki

Pisidium sargenti Stk. Sterki, Naut. 1901. 15:67. (Mohawk river)

Pisidium strengii Sterki

Pisidium strengii Stk. Sterki, Naut. 1901. 15:126. (Little Lakes)

Pisidium streatori Sterki

Pisidium streatori Stk. Sterki, Naut. 1901. 14:100. (Canasaraga river)

Pisidium punctatum Sterki

Pisidium punctatum Stk. Sterki, Ms. Nov. 1901. (Herkimer county)

Pisidium pauperculum Sterki

Pisidium pauperculum Stk. Sterki, Ms. 1901

Pisidium walkeri Sterki

Pisidium walkeri Stk. Sterki, Ms. 1901. (Mohawk river)

Pisidium roperi Sterki

Pisidium roperi Stk. Sterki, Ms. 1901

Pisidium rotundatum Sterki

Pisidium rotundatum Stk. Sterki, Ms. 1901

Pisidium splendidulum Sterki

Pisidium splendidulum Stk. Sterki, Ms. 1901. (Long Island)

Pisidium scutellatum Sterki

Pisidium scutellatum Stk. Sterki, Ms. 1901. (Chautauqua lake)

Pisidium scutellatum Stk. Letson, N. Y. State Mus. Bul. 45. 1901. p.248. (Goat island. Post-Pliocene)

Pisidium medianum Sterki

Pisidium medianum Stk. Sterki, Ms. 1901. (Mohawk)

Pisidium ultramontanum Prime

Pisidium ultramontanum Prime. Letson, N. Y. State Mus. Bul. 45. 1901. p.248. (Goat island. Post-Pliocene)

Genus CYCLAS Bruguiere

Cyclas islandica Linnaeus

Cyprina islandica Linn. DeKay, Nat. Hist. N. Y. 1843. p.215

Cyprina islandica Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:387. (Montauk point)

Family CARDIIDAE

Genus CARDIUM Lamarck

Cardium (Cerastoderma) pinnulatum Conrad

Cardium pinnatulum Conr. DeKay, Nat. Hist. N. Y. 1843. p 205. (Long Island sound)

Cardium pinnulatum Conr. Smith & Prime, An. Lyc. N. Y. 1870. 9:387. (Long Island sound)

Cardium (Cerastoderma) pinnulatum Conr. Dall, Nat. Mus. Proc. 1901. 23:386

Cardium (Cerastoderma) ciliatum Fabricius

Cardium islandicum Linn. DeKay, Nat. Hist. N. Y. 1843. p.206

Cardium (Cerastoderma) ciliatum Fab. Dall, Nat. Mus. Proc. 1901. 23:386

Cardium (Laevicardium) mortoni Conrad

Cardium mortoni Conr. DeKay, Nat. Hist. N. Y. 1843. p.207. (Long Island sound)

Cardium mortoni Conr. Jay, Cat. 1852. p.45

Cardium mortoni Conr. Smith & Prime, An. Lyc. N. Y. 1870. 9:387

Cardium (Laevicardium) mortoni Conr. Dall, Nat. Mus. Proc. 1901. 23:388

Genus SERRIPES Beck

Serripes gronlandicus Gmelin

Cardium groenlandicum Gmel. DeKay, Nat. Hist. N. Y. 1843. p.206

Serripes gronlandicus Gmel. Dall, Nat. Mus. Proc. 1901. 23:388

Family LUCINIDAE

Genus PHACOIDES Blainville

Phacoides filosus Stimpson

Lucina filosa St. Carpenter, Naut. 1902. 15:17

Genus DIVARICELLA von Martens

Divaricella quadrisulcata d'Orbigny

Lucina strigilla St. Smith & Prime, An. Lyc. N. Y. 1870. 9:387. (Coney Island)

Divaricella quadrisulcata d'Orb. Dall, Nat. Mus. Proc. 1901. 23:815

Subgenus LUCINELLA Monterosato

Lucinella divaricata Linnaeus

Lucina divaricata Linn. DeKay, Nat. Hist. N. Y. 1843. p.214

Lucinella divaricata Linn. Dall, Nat. Mus. Proc. 1901. 23:815

Family ERYCINIDAE

Genus MONTACUTA Turton

Montacuta bidentata Montagu

Montacuta bidentata Mont. Verrill, Nat. Mus. Proc. 1898. 20:779. (Long Island sound)

Montacuta elevata Stimpson

Montacuta elevata St. Smith & Prime, An. Lyc. N. Y. 1870. 9:386. (Greenport)

Genus KELLIA Turton

Kellia planulata Stimpson

Kellia planulata St. Stimpson, New Eng. Shells. 1851. p.17

Kellia planulata St. Smith & Prime, An. Lyc. N. Y. 1870. 9:386. (Montauk)

Family SOLEMYIDAE

Genus SOLEMYA Lamarck

Solemya velum Say

Solemya velum Say. DeKay, Nat. Hist. N. Y. 1843. p.245. (Long Island sound)

Solemya velum Say. Jay, Cat. 1852. p.13

Solemya velum Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:389. (Greenport)

Family CRASSATELLIDAE

Genus ERYPHYLA Gabb

Eryphyla lunulata Conrad

Astarte lunulata Conr. Smith & Prime, An. Lyc. N. Y. 1870. 9:387

Family ASTARTIDAE

Genus ASTARTE Sowerby

Astarte castanea Say

Astarte castanea Say. DeKay, Nat. Hist. N. Y. 1843. p.220. (Long Island sound)

Astarte castanea Say. Jay, Cat. 1852. p.34

Astarte castanea Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:387. (Sandy Hook)

Astarte sulcata Montague

Astarte sulcata Mont. DeKay, Nat. Hist. N. Y. 1843. p.221. (Long Island sound)

Astarte sulcata Flem. Smith & Prime, An. Lyc. N. Y. 1870. 9:387

Subfamily CARDITINAE

Genus VENERICARDIA Lamarck

Venericardia borealis Conrad

Cardita borealis Conr. DeKay, Nat. Hist. N. Y. 1843. p.204. (Long Island sound)

Cardita borealis Conr. Smith & Prime, An. Lyc. N. Y. 1870. 9:387. (Gardiner's bay)

Order ASIPHONIDA

Suborder HOMOMYARIA

Family UNIONIDAE

Genus TRUNCILLA Rafinesque

Truncilla triquetra Rafinesque

Unio triangularis Barnes. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Truncilla triquetra Raf. Simpson, Nat. Mus. Proc. 1900. 22:517

Genus MICROMYA Agassiz

Micromya fabalis Lea

Micromya fabalis Lea. Simpson, Nat. Mus. Proc. 1900. 22:525

Genus LAMPSILIS Rafinesque

Lampsilis ventricosus Barnes

Unio ventricosus Barnes. DeKay, Nat. Hist. N. Y. 1843. p.190. (Lake Champlain)

Unio occidens Lea. Lewis, Buf. Soc Nat. Sci. Bul. 2. 1874. p.141

Unio ventricosus Barnes. Beauchamp, Onondaga List. 1886. p.7. (Seneca river)

Unio occidens Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:16. (Erie canal)

Lampsilis ventricosus Barnes. Simpson, Nat. Mus. Proc. 1900. 22:526

Lampsilis cariosus Say

Unio cariosus Say. DeKay, Nat. Hist. N. Y. 1843. p.193. (Hudson river)

Unio cariosus Say. Aldrich, Troy List. 1867. p.1. (Mohawk and Hudson rivers, Erie canal)

Unio cariosus Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Unio cariosus Say. Beauchamp, Onondaga List. 1886. p.6. (Oswego river)

Unio cariosus Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:15. (Erie canal)

Lampsilis cariosus Say. Simpson, Nat. Mus. Proc. 1900. 22:528

Lampsilis ochraceus Say

Unio ochraceus Say. DeKay, Nat. Hist. N. Y. 1843. p.193. (Mohawk river)

Unio ochraceus Say. Aldrich, Troy List. 1867. p.1. (Mohawk river)

Unio ochraceus Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Lampsilis ochraceus Say. Simpson, Nat. Mus. Proc. 1900. 22:530

Lampsilis multiradiatus Lea

Unio multiradiatus Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Lampsilis multiradiatus Lea. Simpson, Nat. Mus. Proc. 1900. 22:532

Lampsilis luteolus Lamarck

Unio luteolus Lam. DeKay, Nat. Hist. N. Y. 1843. p.190. (Little Falls, Lake Champlain, Mohawk river, Orleans county)

Lampsilis siliquoides Barnes. Stimpson, New Eng. Shells. 1851. p.14. (Lake Champlain)

Unio inflatus Barnes. Jay, Cat. 1852. p.61. (Lake Erie)

Unio luteolus Lewis. Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Unio luteolus Lam. Beauchamp, Onondaga List. 1886. p.7

Unio luteolus Lam. Walton, Rochester Acad. Sci. Proc. 1892. 2:16. (Genesee river)

Lampsilis luteolus Lam. Simpson, Nat. Mus. Proc. 1900. 22:534

Lampsilis luteolus var. **rosaceus** DeKay

Unio rosaceus DeK. DeKay, Nat. Hist. N. Y. 1843. p.192. (Seneca lake)

Unio rosaceus DeK. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Unio rosaceus DeK. Beauchamp, Onondaga List. 1886. p.7

Unio rosaceus DeK. Walton, Rochester Acad. Sci. Proc. 1892. 2:16. (Lake Ontario)

Lampsilis luteolus var. rosaceus DeK. Simpson, Nat. Mus. Proc. 1900. 22:535

Lampsilis borealis Gray

Lampsilis borealis Gray. Simpson, Nat. Mus. Proc. 1900. 22:535

Lampsilis radiatus Gmelin

Unio boydianus Lea. Lea, Obs. Genus Unio. 1842. 3:54. (Orleans county)

Unio radiatus Gml. DeKay, Nat. Hist. N. Y. 1843. p.189

Unio boydianus Lea. DeKay, Nat. Hist. N. Y. 1843. p.189. (Orleans county)

Unio boydianus Lea. Jay, Cat. 1852. p.55

Unio radiatus Lam. Aldrich, Troy List. 1867. p.2

Unio radiatus Lam. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Unio boydianus Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Unio radiatus Lam. Beauchamp, Onondaga List. 1886. p.7

Lampsilis radiatus Gmel. Simpson, Nat. Mus. Proc. 1900. 22:535

Lampsilis ligamentinus Lamarck

Unio ligamentinus Lam. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Unio ligamentinus Lam. Beauchamp, Onondaga List. 1886. p.7. (Cross lake)

Lampsilis ligamentinus Lam. Simpson, Nat. Mus. Proc. 1900. 22:539

Lampsilis anodontoides Lea

Unio anodontoides Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Lampsilis anodontoides Lea. Simpson, Nat. Mus. Proc. 1900. 22:543

Lampsilis rectus Lamarck

Unio rectus Lam. DeKay, Nat. Hist. N. Y. 1843. p.195. (Lake Champlain)

Unio rectus Lam. Jay, Cat. 1852. p.65. (Lake Erie)

Unio rectus Lam. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141. (Lake Champlain)

Unio rectus Lam. Beauchamp, Onondaga List. 1886. p.7

Unio rectus Lam. Walton, Rochester Acad. Sci. Proc. 1892. 2:16 (Erie canal)

Lampsilis rectus Lam. Simpson, Nat. Mus. Proc. 1900. 22:544.

Lampsilis rectus Lam. Letson, N. Y. State Mus. Bul. 45. 1901. p.248. (Goat island. Post-Pliocene)

Lampsilis nasutus Say

Unio nasutus Say. DeKay, Nat. Hist. N. Y. 1843. p.191. (Lake Ontario)

Unio nasutus Say. Jay, Cat. 1852. p.62

Unio nasutus Say. Aldrich, Troy List. 1867. p.1. (Mohawk basin)

Unio nasutus Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:15. (Erie canal)

Lampsilis nasutus Say. Simpson, Nat. Mus. Proc. 1900. 22:545.

Lampsilis subrostratus Say

Unio subrostratus Say. Jay, Cat. 1852. p.66

Lampsilis subrostratus Say. Simpson, Nat. Mus. Proc. 1900. 22:546

Lampsilis iris Lea

Unio novi-eboraci Lea. Lea, Obs. Genus Unio. 1838. 2:104. (Orleans county)

Unio novi-eboraci Lea. DeKay, Nat. Hist. N. Y. 1843. p.194. (Orleans county)

Unio novi-eboraci Lea. Jay, Cat. 1852. p.62

Unio novi-eboraci Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Unio iris Lea. Beauchamp, Onondaga List. 1886. p.7. (Erie canal)

Unio novi-eboraci Lea. Beauchamp, Onondaga List. 1886. p.7

Unio novi-eboraci Lea. Walton, Rochester Acad. Sci. Proc. 2. 1892. p.15. (Erie canal)

Unio iris Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:15. (Erie canal)

Lampsilis iris Lea. Simpson, Nat. Mus. Proc. 1900. 22:552

Lampsilis ellipsiformis Conrad

Unio spatulatus Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Lampsilis ellipsiformis Conr. Simpson, Nat. Mus. Proc. 1900. 22:557

Lampsilis ellipsiformis Conr. Letson, N. Y. State Mus. Bul. 45. 1901. p.249. (Prospect park. Post-Pliocene)

Lampsilis parvus Barnes

Unio parvus Barnes. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Unio parvus Barnes. Beauchamp, Onondaga List. 1886. p.7. (Erie canal)

Lampsilis parvus Barnes. Simpson, Nat. Mus. Proc. 1900. 22:564

Lampsilis alatus Say

Unio alatus Say. DeKay, Nat. Hist. N. Y. 1843. p.195. (Lakes Champlain and Erie)

Metaptera alatus Say. Stimpson, New Eng. Shells. 1851. p.14. (Lake Champlain)

Unio alatus Say. Say, Conch. U. S. ed. by Binney. 1858. p.52. (Lake Erie)

Unio alatus Say. Aldrich, Troy List. 1867. p.1. (Northern canal)

Unio alatus Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.140

Unio alatus Say. Beauchamp, Onondaga List. 1886. p.7

Unio alatus Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:15. (Erie canal)

Lampsilis alatus Say. Simpson, Nat. Mus. Proc. 22. 1900. p.567

Lampsilis gracilis Barnes

Metaptera gracilis Barnes. Stimpson, New Eng. Shells. 1851. p.14. (Lake Champlain)

Unio gracilis Barnes. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Unio gracilis Barnes. Beauchamp, Onondaga List. 1886. p.7

Unio gracilis Barnes. Walton, Rochester Acad. Sci. Proc. 1892. 2:15. (Erie canal)

Lampsilis gracilis Barnes. Simpson, Nat. Mus. Proc. 1900. 22:573

Lampsilis laevissimus Lea

Lampsilis laevissimus Lea. Simpson, Nat. Mus. Proc. 1900. 22:574. (Western New York)

Lampsilis leptodon Rafinesque

Lampsilis leptodon Raf. Simpson, Nat. Mus. Proc. 1900. 22:575. (Buffalo)

Genus OBOVARIA Rafinesque

Obovaria leibii Lea

Unio leibii Lea. Beauchamp, Onondaga List. 1886. p.7. (Onondaga lake)

Obovaria leibii Lea. Simpson, Nat. Mus. Proc. 1900. 22:601. (Lake Erie)

Obovaria ellipsis Lea

Unio ellipsis Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141.
Obovaria ellipsis Lea. Simpson, Nat. Mus. Proc. 1900. 22:602

Genus PLAGIOLA Rafinesque

Plagiola elegans Lea

Unio elegans Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141
Plagiola elegans Lea. Simpson, Nat. Mus. Proc. 1900. 22:604

Genus PTYCHOBRANCHUS Simpson

Ptychobranchus phaseolus Hildrith

Unio phaseolus Hild. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141
Ptychobranchus phaseolus Hild. Simpson, Nat. Mus. Proc. 1900. 22:612

Genus STROPHITUS Rafinesque

Strophitus edentulus Say

Anodon edentula Say. DeKay, Nat. Hist. N. Y. 1843. p.201 (Lake Onondaga)
Anodon unadilla DeK. DeKay, Nat. Hist. N. Y. 1843. p.199. (Otsego river)
Anodonta edentula Say. Aldrich, Troy List. 1867. p.2. (Northern canal)
Anodonta edentula Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.142. (Genesee river)
Anodonta edentula Say. Beauchamp, Onondaga List. 1886. p.8.
Anodonta edentula Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:17. (Long pond)
Strophitus edentula Say. Simpson, Nat. Mus. Proc. 1900. 22:616

Strophitus edentulus var. **pavonius** Lea

Anodon pavonia Lea. DeKay, Nat. Hist. N. Y. 1843. p.203. (Onondaga lake)
Anodonta pavonia Lea. Beauchamp, Onondaga List. 1886. p.8. (Erie canal)
Strophitus edentulus var. pavonius Lea. Simpson, Nat. Mus. Proc. 1900. 22:617

Strophitus undulatus Say

Anodonta undulata Say. Jay, Cat. 1852. p.73
Anodonta undulata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.142

Anodonta undulata Say. Beauchamp, Onondaga List. 1886. p.8
Anodonta undulata Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:18
Strophitus undulatus Say. Simpson, Nat. Mus. Proc. 1900. 22:618

Genus ANODONTA Lamarck

Anodonta cataracta Say

Anodon fluviatilis Dillw. DeKay, Nat. Hist. N. Y. 1843. p.203
Anodonta cataracta Say. Jay, Cat. 1852. p.71
Anodonta fluviatilis Dillw. Aldrich, Troy List. 1867. p.2
Anodonta fluviatilis Dillw. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.142
Anodonta fluviatilis Dillw. Beauchamp, Onondaga List. 1886. p.8
Anodonta williamsii Lea. Beauchamp, Onondaga List. 1886. p.8. (Seneca river)
Anodonta fluviatilis Dillw. Walton, Rochester Acad. Sci. Proc. 1892. 2:17. (Genesee river)
Anodonta cataracta Say. Simpson, Nat. Mus. Proc. 1900. 22:631

Anodonta marginata Say

Anodonta marginata Say. Jay, Cat. 1852. p.72
Anodonta lacustris Lea. Lea, Obs. Genus Unio. 1860. 8:45. (Little and Crooked lakes)
Anodonta fragilis Lam. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.142
Anodonta lacustris Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.142
Anodonta fragilis Lam. Beauchamp, Onondaga List. 1886. p.8
Anodonta lacustris Lea. Beauchamp, Onondaga List. 1886. p.8
Anodonta fragilis Lam. Walton, Rochester Acad. Sci. Proc. 1892. 2:17. (Pittsford)
Anodonta marginata Say. Simpson, Nat. Mus. Proc. 1900. 22:632

Anodonta implicata Say

Anodonta implicata Say. DeKay, Nat. Hist. N. Y. 1843. p.202
Anodonta excurvata DeK. DeKay, Nat. Hist. N. Y. 1843. p.202. (Albany county)
Anodonta implicata Say. Aldrich, Troy List. 1867. p.2
Anodonta implicata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.142

Anodonta implicata Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:17. (Charlotte)

Anodonta excurvata DeK. Walton, Rochester Acad. Sci. Proc. 1892. 2:17. (Pittsford)

Anodonta implicata Say. Simpson, Nat. Mus. Proc. 1900. 22:633

Anodonta imbecillis Say

Anodonta imbecillis Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.142

Anodonta imbecillis Say. Beauchamp, Onondaga List. 1886. p.8

Anodonta imbecillis Say. Walton, Rochester Acad. Sci. 1892. 2:17. (Irondequoit)

Anodonta imbecillis Say. Simpson, Nat. Mus. Proc. 1900. 22:635

Anodonta grandis Say

Anodonta lewisii Lea. Lea, Obs. Genus Unio. 1860. 8:44. (Erie canal and Genesee river)

Anodonta lewisii Lea. Aldrich, Troy List. 1867. p.2. (Mohawk basin)

Anodonta lewisii Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.142

Anodonta lewisii Lea. Beauchamp, Onondaga List. 1886. p.8

Anodonta salmonia Lea. Beauchamp, Onondaga List. 1886. p.8

Anodonta lewisii Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:17

Anodonta salmonia Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:17

Anodonta grandis Say. Simpson, Nat. Mus. Proc. 1900. 22:641

Anodonta grandis var. footiana Lea

Anodonta footiana Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.142

Anodonta footiana Lea. Beauchamp, Onondaga List. 1886. p.8

Anodonta grandis var. footiana Lea. Simpson, Nat. Mus. Proc. 1900. 22:642

Anodonta grandis var. gigantea Lea

Anodon plana Lea. DeKay, Nat. Hist. N. Y. 1843. p.201. (Lake Ontario)

Anodonta decora Lea. Beauchamp, Onondaga List. 1886. p.8

Anodonta grandis var. gigantea Lea. Simpson, Nat. Mus. Proc. 1900. 22:643

Anodonta grandis var. **benedictensis** Lea

Symphynota benedictensis Lea. Lea, Obs. Genus Unio. 1834. 1:216

Anodon benedictensis Lea. DeKay, Nat. Hist. N. Y. 1843. p.204. (Lakes Onondaga and Champlain)

Alasmodonta benedictensis Lea. Stimpson, New Eng. Shells. 1851. p.15. (Lake Champlain)

Anodonta benedictensis Lea. Jay, Cat. 1852. p 71. (Lake Champlain)

Anodonta benedictensis Lea. Aldrich, Troy List. 1867. p.2. (Mohawk and Hudson rivers)

Anodonta benedictii Lea Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.142. (Lake Champlain)

Anodonta benedictii Lea. Beauchamp, Onondaga List. 1886. p.8

Anodonta benedictii Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:17. (Erie canal)

Anodonta grandis var. benedictensis Lea. Simpson, Nat. Mus. Proc. 1900. 22:644

Anodonta kennicottii Lea

Anodonta simpsoniana Lea. Beauchamp, Onondaga List. 1886. p.8. (Beaver lake)

Anodonta kennicottii Lea. Simpson, Nat. Mus. Proc. 1900. 22:647

Anodonta pepiniana Lea

Anodonta pepiniana Lea. Beauchamp, Onondaga List. 1886. p.8

Anodonta pepiniana Lea. Simpson, Nat. Mus. Proc. 1900. 22:647

Genus ANODONTOIDES Simpson

Anodontoides ferussacianus Lea

Anodon ferussaciana Lea. DeKay, Nat. Hist. N. Y. 1843. p.200. (Erie canal)

Anodonta ferussaciana Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.142. (Genesee river)

Anodonta ferussaciana Lea. Beauchamp, Onondaga List. 1886. p.8. (Erie canal)

Anodonta ferussaciana Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:17. (Erie canal)

Anodonta ferruginea Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:17. (Genesee river)

Anodontoides ferussacianus Lea. Simpson, Nat. Mus. Proc. 1900. 22:659

Anodontoides ferussacianus var. **subcylindraceus** Lea

Anodonta subcylindracea Lea. Lea, Obs. Genus Unio. 1838. 2:106. (Orleans county)

Anodon subcylindracea Lea. DeKay, Nat. Hist. N. Y. 1843. p.200. (Oswego river)

Anodonta subcylindracea Lea. Jay, Cat. 1852. p.73. (Orleans county)

Anodonta subcylindracea Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.142

Anodonta subcylindracea Lea. Beauchamp, Onondaga List. 1886. p.8

Anodonta subcylindracea Lea. Walton, Rochester Acad. Sci. Proc. 2. 1892. p.17. (Irondequoit)

Anodontoides ferussacianus var. subcylindraceus Lea. Simpson, Nat. Mus. Proc. 1900. 22:660

Anodontoides ferussacianus var. **modestus** Lea

Anodontoides ferussacianus var. modestus Lea. Simpson, Nat. Mus. Proc. 1900. 22:660

Genus SYMPHYNOTA Lea

Symphynota compressa Lea

Symphynota compressa Lea. Lea, Obs. Genus Unio. 1834. 1:64. (Near Albany)

Unio compressus Lea. DeKay, Nat. Hist. N. Y. 1843. p.191. (Orleans and Jefferson counties)

Unio compressus Lea. Jay, Cat. 1852. p.57

Unio pressus Lea. Aldrich, Troy List. 1867. p.2. (Hoosic river)

Unio pressus Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141. (Owasco lake)

Unio pressus Lea. Beauchamp, Onondaga List. 1886. p.7. (Seneca river)

Unio pressus Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:16. (Genesee river)

Symphynota compressa Lea. Simpson, Nat. Mus. Proc. 1900. 22:662

Symphynota compressa var. plebius Adams

Symphynota compressa var. plebius Ads. Simpson, Nat. Mus. Proc. 1900. 22:663. (Hudson river)

Symphynota viridis Conrad

Unio tappanianus Lea. DeKay, Nat. Hist. N. Y. 1843. p.194. (Northern canal)

Unio tappanianus Lea. Aldrich, Troy List. 1867. p.1 (Northern canal)

Unio tappanianus Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Unio tappanianus Lea. Beauchamp, Onondaga List. 1886. p.7. (Erie canal and Seneca river)

Unio tappanianus Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:16. (Genesee river)

Symphynota viridis Conr. Simpson, Nat. Mus. Proc. 1900. 22:663

Symphynota costata Rafinesque

Alasmodon rugosa Barnes. DeKay, Nat. Hist. N. Y. 1843. p.196

Margaritana rugosa Lea. Aldrich, Troy List. 1867. p.2. (Mohawk basin)

Margaritana rugosa Barnes. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Margaritana rugosa Barnes. Beauchamp, Onondaga List. 1886. p.7. (Onondaga lake)

Margaritana rugosa Barnes. Walton, Rochester Acad. Sci. Proc. 1892. 2:16. (Genesee river)

Symphynota costata Raf. Simpson, Nat. Mus. Proc. 1900. 22:665

Symphynota complanata Barnes

Symphynota complanata Barnes. Simpson, Nat. Mus. Proc. 1900. 22:665

Genus ALASMIDONTA Say

Alasmidonta undulata Say

Alasmodon undulata Say. DeKay, Nat. Hist. N. Y. p.198. (Albany county)

Margaritana undulata Say. Jay, Cat. 1852. p.69

Margaritana undulata Lea. Aldrich, Troy List. 1867. p.2. (Northern canal)

Margaritana undulata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Margaritana undulata Say. Beauchamp, Onondaga List. 1886. p.8. (Erie canal)

Alasmidonta undulata Say. Simpson, Nat. Mus. Proc. 1900. 22:667

Alasmidonta calceola Lea

Margaritana deltoidea Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:17. (Erie canal)

Alasmidonta calceola Lea. Simpson, Nat. Mus. Proc. 1900. 22:668

Alasmidonta calceola Lea. Letson, N. Y. State Mus. Bul. 45. 1901. p.250. (Goat island. Post-Pliocene)

Alasmidonta heterodon Lea

Unio heterodon Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Alasmidonta heterodon Lea. Simpson, Nat. Mus. Proc. 1900. 22:669

Alasmidonta marginata Say

Alasmodon marginata Say. DeKay, Nat. Hist. N. Y. 1843. p 196

Alasmodon corrugata DeKay. DeKay, Nat. Hist. N. Y. 1843. p.198

Margaritana marginata Say. Jay, Cat. 1852. p.69

Margaritana marginata Say. Aldrich, Troy List. 1867. p.2. (Northern canal)

Margaritana marginata Say. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Margaritana marginata Say. Beauchamp, Onondaga List. 1886. p.7

Margaritana marginata Say. Walton, Rochester Acad. Sci. Proc. 1892. 2:17 (Erie canal)

Alasmidonta marginata Say. Simpson, Nat Mus. Proc. 1900. 22:670

Alasmidonta truncata B. H. Wright

Alasmidonta truncata Wright. Simpson, Nat. Mus. Proc. 1900. 22:671

Genus HEMILASTENA Agassiz

Hemilastena ambigua Say

Margaritana hildrethiana Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141. (Buffalo creek)

Hemilastena ambigua Say. Simpson, Nat. Mus. Proc. 1900. 22:673

Genus MARGARITANA Schumacher

Margaritana margaritifera Linnaeus

Alasmodon arcuata Barnes. DeKay, Nat. Hist. N. Y. 1843. p.197. (Rockland and Oneida counties)

Margaritana margaritifera Linn. Jay, Cat. 1852. p.69. (Lake Erie)

Margaritana margaritifera Linn. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Margaritana margaritifera Linn. Beauchamp, Onondaga List. 1886. p.8. (Oneida lake)

Margaritana margaritifera Linn. Simpson, Nat. Mus. Proc. 1900. 22:674

Genus UNIO Retzius

Unio pictorum Linnaeus

Unio ovalis Flem. Jay, Cat. 1852. p.63. (Lake Champlain)

Unio nodulosus Lam. Jay, Cat. 1852. p.62. (Lake Champlain)

Unio pictorum Linn. Simpson, Nat. Mus. Proc. 1900. 22:680

Unio gibbosus Barnes

Unio gibbosus Barnes. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Unio gibbosus Barnes. Walton, Rochester Acad. Sci. Proc. 1892. 2:15. (Erie canal)

Unio gibbosus Barnes. Simpson, Nat. Mus. Proc. 1900. 22:703

Unio gibbosus Barnes. Letson, N. Y. State Mus. Bul. 45. 1901. p.251. (Goat island. Post-Pliocene)

Unio complanatus Solander

Unio complanatus Sol. DeKay, Nat. Hist. N. Y. 1843. p.188. (Little Falls, Oak Orchard)

Unio complanatus Sol. Jay, Cat. 1852. p.56. (Lake Champlain, Hudson river and Lake George)

Unio rarisulcata Lam. Jay, Cat. 1852. p.65. (Lake Champlain)

Unio purpurascens Lam. Jay, Cat. 1852. p.64

Unio georgina Lam. Jay, Cat. 1852. p.59. (Lake George)

Unio rhombula Lam. Jay, Cat. 1852. p.65. (Hudson river)

Unio fluviatilis Green. Jay, Cat. 1852. p.59

Unio complanatus Sol. Aldrich, Troy List. 1867. p.1

Unio complanatus Sol. Lewis, Buf. Soc. Nat. Sci. Bul. 1874. 2:141

Unio complanatus Sol. Beauchamp, Onondaga List. 1886. p.7

Unio complanatus Sol. Walton, Rochester Acad. Sci. Proc. 1892. 2:15. (Genesee river)

Unio complanatus Sol. Simpson, Nat. Mus. Proc. 1900. 2:720

Genus QUADRULA Rafinesque

Quadrula plicata hippopaea Lea

Unio hippopaeus Lea. Lea, Obs. Genus Unio. 1841. 4:41. (Lake Erie)

Unio hippopaeus Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141. (Buffalo river)

Quadrula plicata hippopaea Lea. Simpson, Nat. Mus. Proc. 1900. 22:767. (Lake Erie)

Quadrula undulata Barnes

Unio undulatus Barnes. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Unio undulatus Barnes. Beauchamp, Onondaga List. 1886. p.7. (Erie canal)

Unio undulatus Barnes. Walton, Rochester Acad. Sci. Proc. 1892. 2:16. (Erie canal)

Quadrula undulata Barnes. Simpson, Nat. Mus. Proc. 1900. 22:769

Quadrula lachrymosa Lea

Quadrula lachrymosa Lea. Simpson, Nat. Mus. Proc. 1900. 22:776

Quadrula pustulosa Lea

Unio pustulatus Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Quadrula pustulosa Lea. Simpson, Nat. Mus. Proc. 1900. 22:779

Quadrula rubiginosa Lea

Unio rubiginosus Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Unio rubiginosus Lea. Beauchamp, Onondaga List. 1886. p.7. (Erie canal)

Unio rubiginosus Lea. Walton, Rochester Acad. Sci. Proc. 1892. 2:16. (Genesee river)

Quadrula rubiginosa Lea. Simpson, Nat. Mus. Proc. 1900. 22:786

Quadrula trigona Lea

Unio trigonus Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p.141

Quadrula trigona Lea. Simpson, Nat. Mus. Proc. 1900. 22:787

Quadrula coccinea Conrad

Unio coccineus Lea. Lewis, Buf. Soc. Nat. Sci. Bul. 2. 1874. p 141

Quadrula coccinea Conr. Simpson, Nat. Mus. Proc. 1900. 22:788

Quadrula coccinea Conr. Letson, N. Y. State Mus. Bul. 45. 1901. p. 252. (Goat island. Post-Pliocene)

Quadrula coccinea paupercula Simpson

Quadrula coccinea paupercula Simp. Simpson, Nat. Mus. Proc. 1900. 22:789

Quadrula tuberculata Rafinesque

Unio verrucosus Barnes. Jay, Cat. 1852. p.68. (Lake Erie)

Quadrula tuberculata Raf. Simpson, Nat. Mus. Proc. 1900. 22:795

Quadrula solida Lea

Quadrula solida Lea. Letson, N. Y. State Mus. Bul. 45. 1901. p.251. (Goat island. Post-Pliocene)

Family NUCULIDAE

Genus NUCULA Lamarck

Nucula proxima Say

Nucula proxima Say. DeKay, Nat. Hist. N. Y. 1843. p.179

Nucula proxima Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:385

Nucula radiata DeKay

Nucula radiata DeK. DeKay, Nat. Hist. N. Y. 1843. p.179. (Williamsburg, East river)

Nucula radiata DeK. Smith & Prime, An. Lyc. N. Y. 1870. 9:385. (East river)

Genus YOLDIA Möller

Yoldia limatula Say

Leda limatula St. Smith & Prime, An. Lyc. N. Y. 1870. 9:385. (New York bay)

Yoldia limatula Say. Verrill & Bush, Am. Jour. Sci. 1897. ser. 4. 3:55

Yoldia gouldi DeKay

Nucula gouldi DeK. DeKay, Nat. Hist. N. Y. 1843. p.180. (Long Island sound)

Leda gouldi DeK. Smith & Prime, An. Lyc. N. Y. 1870. 9:385

Yoldia gouldi DeK. Verrill, U. S. Fish Com. Rep't. 1871-72. p.690

Yoldia sapotilla Gould

Leda sapotilla St. Smith & Prime, An. Lyc. N. Y. 1870. 9:385. (Greenport)

Yoldia sapotilla Gould. Verrill & Bush, Am. Jour. Sci. 1897. ser. 4. 3:55

Nucula sapotilla Gould. Carpenter, Naut. 1901. 15:92. (Long Island sound)

Genus MEGAYOLDIA

Megayoldia thraciaeformis Storer

Nucula thraciaeformis Str. DeKay, Nat. Hist. N. Y. 1843. p.178

Leda thraciaeformis Str. Smith & Prime, An. Lyc. N. Y. 1870. 9:385. (Fire Island light)

Magayoldia thraciaeformis Str. Verrill & Bush, Am. Jour. Sci. 1897. ser. 4. 3:55

Family ARCIDAE

Genus ARCA Linnaeus

Arca pexata Say

Arca pexata Say. DeKay, Nat. Hist. N. Y. 1843. p.176

Arca pexata Say. Jay, Cat. 1852. p.50

Arca pexata Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:385

Arca pexata Say. Carpenter, Naut. 1901. 15:93. (Long Island sound)

Arca ponderosa Say

Arca ponderosa Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:385. (Fire Island light)

Arca ponderosa Say. Verrill, Ct. Acad. Arts & Sci. 1882. 5:573

Arca transversa Say

Arca transversa Say. DeKay, Nat. Hist. N. Y. 1843. p.177

Arca transversa Say. Jay, Cat. 1852. p.51.

Arca transversa Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:384

Family MYTILIDAE

Genus MYTILUS Linnaeus

Mytilus edulis Linnaeus

Mytilus borealis Lam. DeKay, Nat. Hist. N. Y. 1843. p.182. (Long Island sound)

Mytilus notatus DeK. DeKay, Nat. Hist. N. Y. 1843. p.182

Mytilus pellucidus DeK. DeKay, Nat. Hist. N. Y. 1843. p.183

Mytilus pellucidus Maton. Jay, Cat. 1852. p.77
Mytilus edulis Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:386

Mytilus corrugatus Stimpson

Mytilus corrugatus St. Smith & Prime, An. Lyc. N. Y. 1870. 9:385. (Gardiners bay)

Mytilus hamatus Say

Mytilus hamatus Say. Smith & Prime, An. Lyc. N. Y. 1870. 9:386. (New York harbor)

Genus MODIOLUS Lamarck

Modiolus modiolus Linnaeus

Modiola modiolus Linn. DeKay, Nat. Hist. N. Y. 1843. p.185
Mytilus modiolus Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:386. (Greenport)

Modiolus demissus plicatulus Lamarck

Modiola plicatula Lam. DeKay, Nat. Hist. N. Y. 1843. p.184
Modiola plicatula Lam. Jay, Cat. 1852. p.77
Mytilus plicatulus Desh. Smith & Prime, An. Lyc. N. Y. 1870. 9:386

Subfamily CRENELLINAE

Genus CRENELLA Brown

Crenella grandula Totten

Crenella decussata Mont. DeKay, Nat. Hist. N. Y. 1843. p.186
Mytilus decussatus Mont. Smith & Prime, An. Lyc. N. Y. 1870. 9:385. (Gardiners bay)
Crenella grandula Tott. Carpenter, Naut. 1901. 15:106. (Long Island sound)

Family PECTINIDAE

Genus PECTEN Müller

Pecten gibbus irradians Lamarck

Pecten concentricus Say. DeKay, Nat. Hist. N. Y. 1843. p.172
Pecten concentricus Say. Jay, Cat. 1852. p.84
Pecten irradians Lam. Jay, Cat. 1852. p.85
Pecten turgidus Sowb. Jay. Cat. 1852. p.87
Pecten irradians Lam. Smith & Prime, An. Lyc. N. Y. 1870. 9:384. (Long Island sound)

Pecten tenuicostatus Mighels and Adams

Pecten magellanicus Gmel. DeKay, Nat. Hist. N. Y. 1843. p.173. (Sandy Hook)

Pecten magellanicus Gmel. Smith & Prime, An. Lyc. N. Y. 1870. 9:384. (Long Island sound)

Pecten tenuicostatus M. & A. Carpenter, Naut. 1901. 15:114. (Long Island sound)

Pecten islandicus Müller

Pecten islandicus Müll. DeKay, Nat. Hist. N. Y. 1843. p 173

Family ANOMIIDAE

Genus ANOMIA Linnaeus

Anomia aculeata Gmelin

Anomia aculeata Müll. Jay, Cat. 1852. p.92

Anomia ephippium aculeata Gmel. Smith & Prime, An. Lyc. N. Y. 1870. 9:384.

Anomia aculeata Gmel. Carpenter, Naut. 1901. 15:130. (Long Island sound)

Anomia glabra Verrill

Anomia ephippium Linn. DeKay, Nat. Hist. N. Y. 1843. p.168

Anomia ephippium Linn. Jay, Cat. 1852. p.92

Anomia patellaris Lam. Jay, Cat. 1852. p.92

Anomia ephippium Linn. Smith & Prime, An. Lyc. N. Y. 1870. 9:384

Anomia glabra Verr. Carpenter, Naut. 1901. 15:130

Family OSTREIDAE

Genus OSTREA Linnaeus

Ostrea borealis Lamarck

Ostrea borealis Lam. DeKay, Nat. Hist. N. Y. 1843. p.169

Ostrea borealis Lam. Jay, Cat. 1852. p.89

Ostrea canadensis Burg. Jay, Cat. 1852. p.89

Ostrea borealis Lam. Smith & Prime, An. Lyc. N. Y. 1870. 9:384

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